

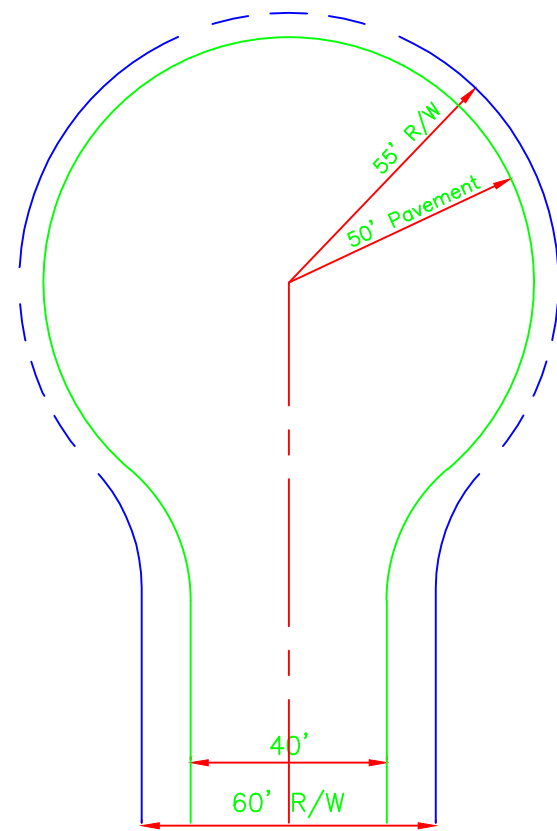
L E V E L S E C T I O N	DESCRIPTION	INTERMEDIATE
		NEW CONSTR.
A	LANE WIDTH	12' (DES)
B	CURB & GUTTER	2'
C	SHOULDER WIDTH	8'
D	PARKING LANE WIDTH	8'
E	SIDEWALK WIDTH	5'
F	TWO WAY LEFT TURN LANE (TWLTL)	13' (DES)

REVISIONS			
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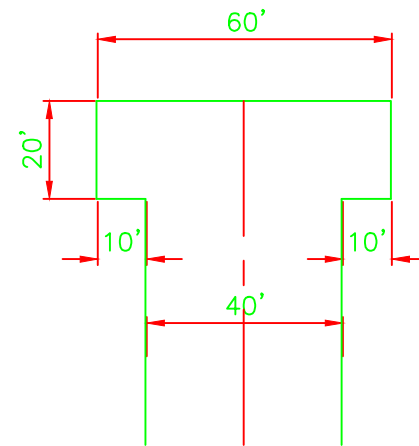
TYPICAL STREET DETAILS



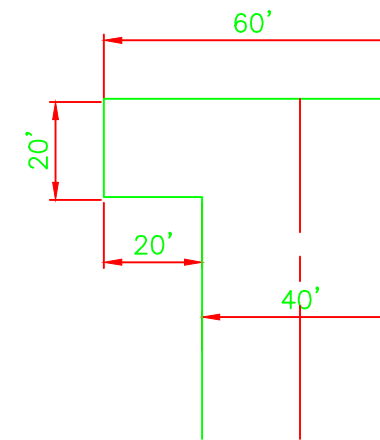
SCALE:
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APPROVED BY:
JASPER CITY HALL 610 MAIN STREET JASPER, INDIANA 47546 (812)-482-4255



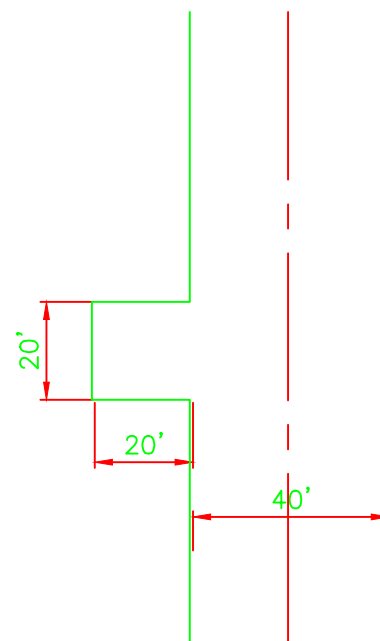
Cul-De-Sac
Scale: 1"=40'-0"



"T" Type Turn Around
Scale: 1"=40'-0"



"L" Type Turn Around
Scale: 1"=40'-0"



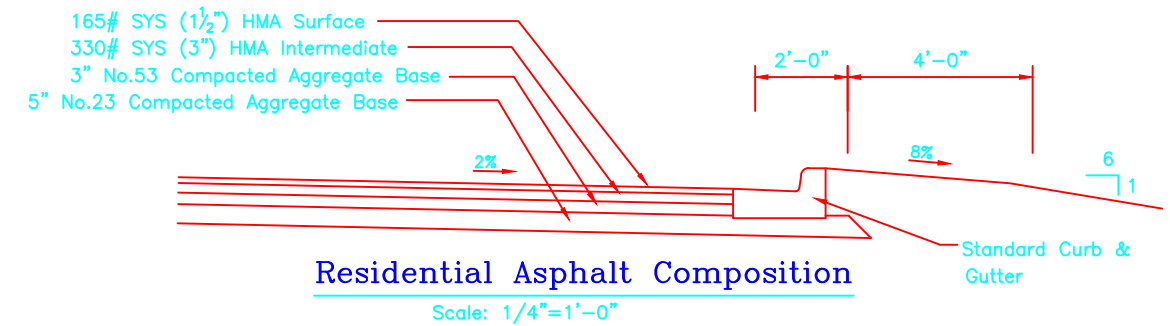
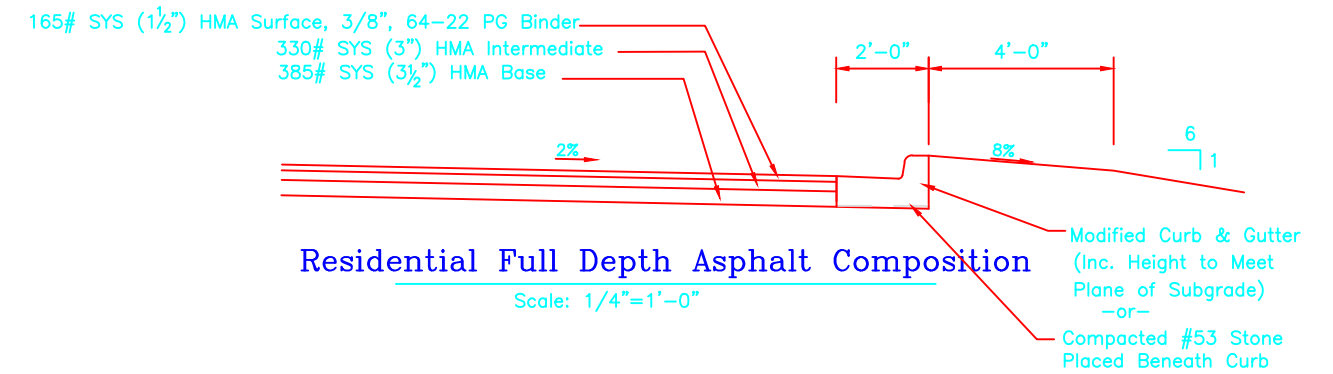
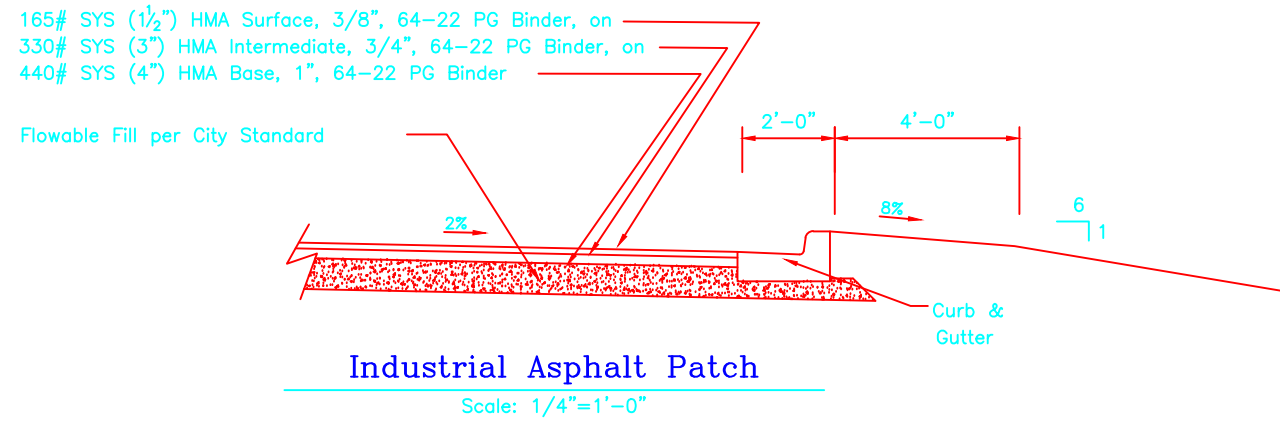
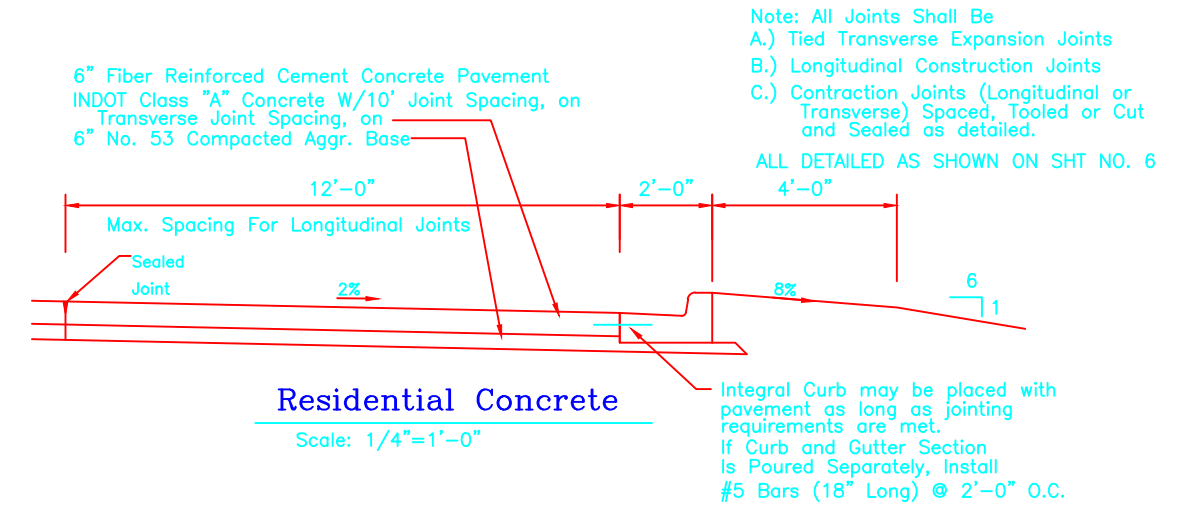
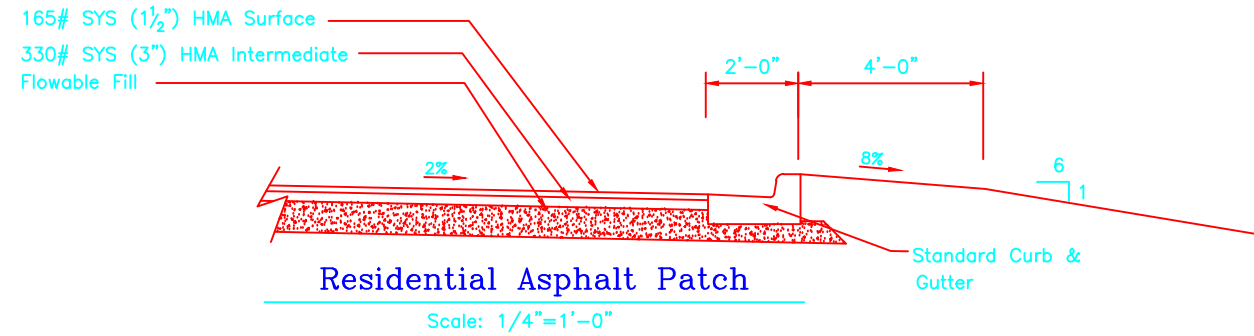
Branch Type Turn Around
Scale: 1"=40'-0"

CUL-DE-SAC/TURN-AROUND DETAILS

REVISIONS			
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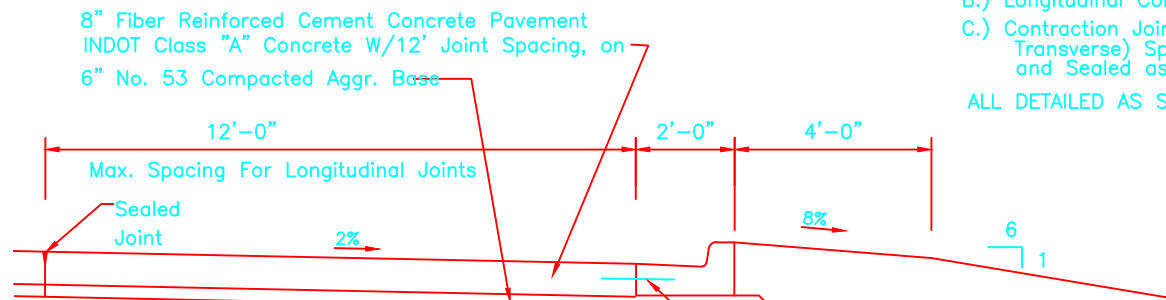
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RESIDENTIAL STREET CONSTRUCTION STREET PATCHING DETAILS



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Note: All Joints Shall Be
 A.) Tied Transverse Expansion Joints
 B.) Longitudinal Construction Joints
 C.) Contraction Joints (Longitudinal or Transverse) Spaced, Tooled or Cut and Sealed as detailed.
 ALL DETAILED AS SHOWN ON SHT NO. 6

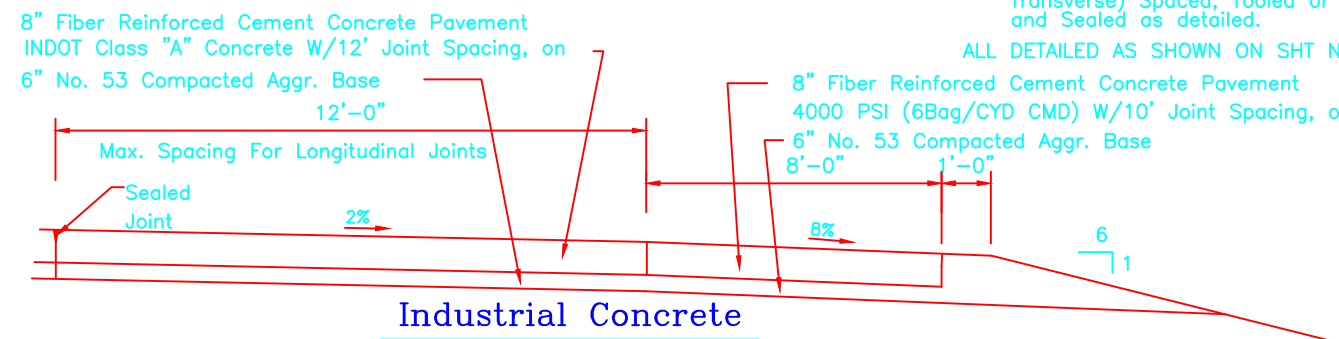


Commercial/Industrial Concrete

Scale: 1/4"=1'-0"

Integral Curb may be placed with pavement as long as jointing requirements are met. If Curb and Gutter Section Is Poured Separately, Install #5 Bars (18" Long) @ 2'-0" O.C.

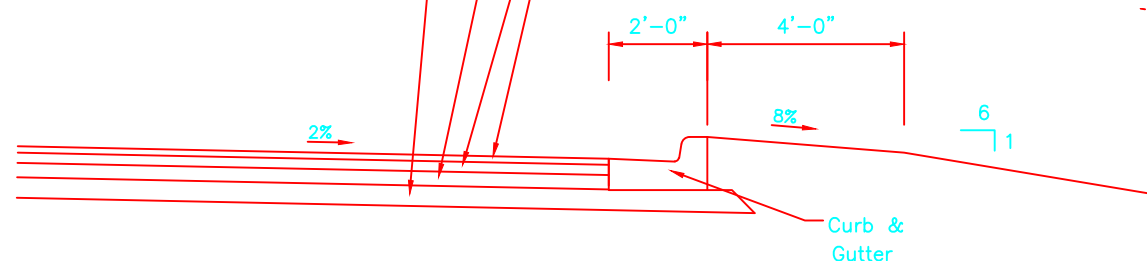
Note: All Joints Shall Be
 A.) Tied Transverse Expansion Joints
 B.) Longitudinal Construction Joints
 C.) Contraction Joints (Longitudinal or Transverse) Spaced, Tooled or Cut and Sealed as detailed.
 ALL DETAILED AS SHOWN ON SHT NO. 6



Industrial Concrete

Scale: 1/4"=1'-0"

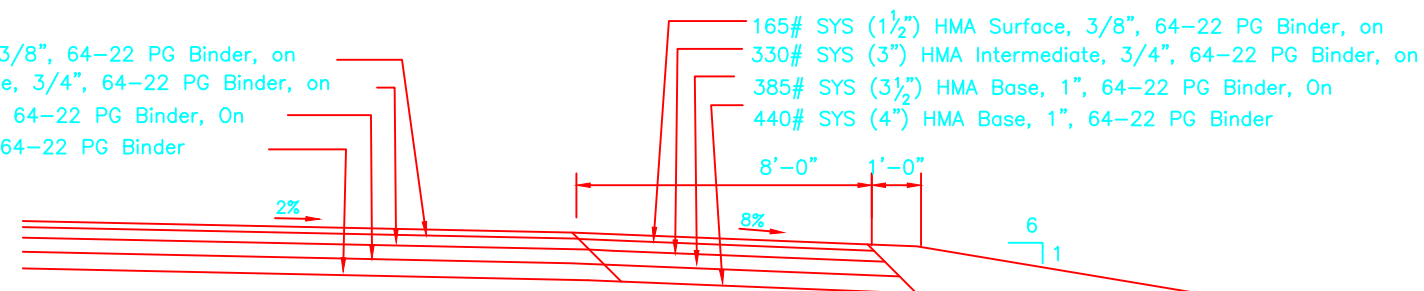
165# SYS (1 1/2") HMA Surface, 3/8", 64-22 PG Binder, on
 330# SYS (3") HMA Intermediate, 3/4", 64-22 PG Binder, on
 385# SYS (3 1/2") HMA Base, 1", 64-22 PG Binder, On
 440# SYS (4") HMA Base, 1", 64-22 PG Binder



Industrial Full Depth Asphalt Composition

Scale: 1/4"=1'-0"

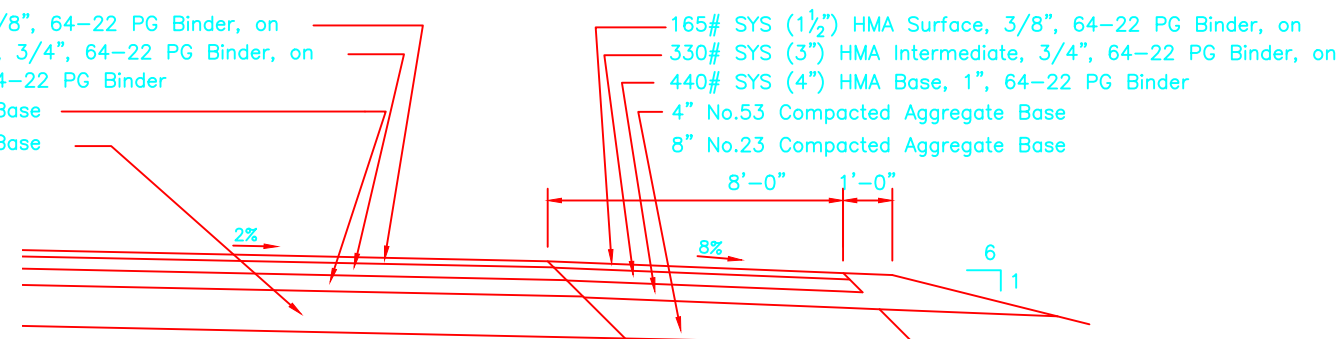
165# SYS (1 1/2") HMA Surface, 3/8", 64-22 PG Binder, on
 330# SYS (3") HMA Intermediate, 3/4", 64-22 PG Binder, on
 385# SYS (3 1/2") HMA Base, 1", 64-22 PG Binder, On
 440# SYS (4") HMA Base, 1", 64-22 PG Binder



Industrial Full Depth Asphalt Composition

Scale: 1/4"=1'-0"

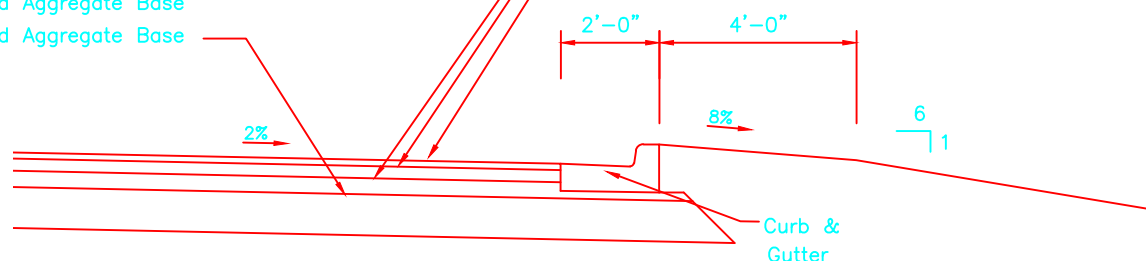
165# SYS (1 1/2") HMA Surface, 3/8", 64-22 PG Binder, on
 330# SYS (3") HMA Intermediate, 3/4", 64-22 PG Binder, on
 440# SYS (4") HMA Base, 1", 64-22 PG Binder
 4" No.53 Compacted Aggregate Base
 8" No.23 Compacted Aggregate Base



Industrial Asphalt Composition

Scale: 1/4"=1'-0"

165# SYS (1 1/2") HMA Surface, 3/8", 64-22 PG Binder, on
 330# SYS (3") HMA Intermediate, 3/4", 64-22 PG Binder, on
 440# SYS (4") HMA Base, 1", 64-22 PG Binder
 4" No.53 Compacted Aggregate Base
 8" No.23 Compacted Aggregate Base



Industrial Asphalt Composition

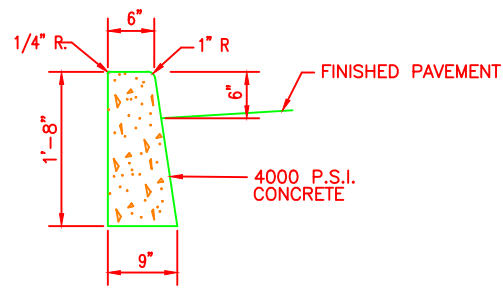
Scale: 1/4"=1'-0"

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COMMERCIAL/INDUSTRIAL STREET CONSTRUCTION



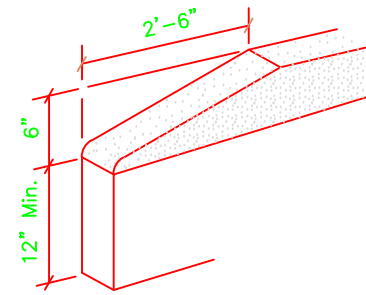
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STANDING CONCRETE CURB

NOT TO SCALE

NOTE:
 "Slip Formed" curb and gutter are to be 4000 PSI concrete
 "Hand Formed" curb and gutter are to be 4500 PSI concrete

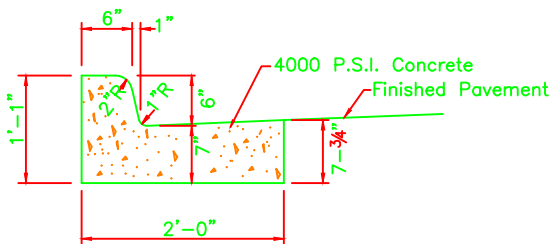
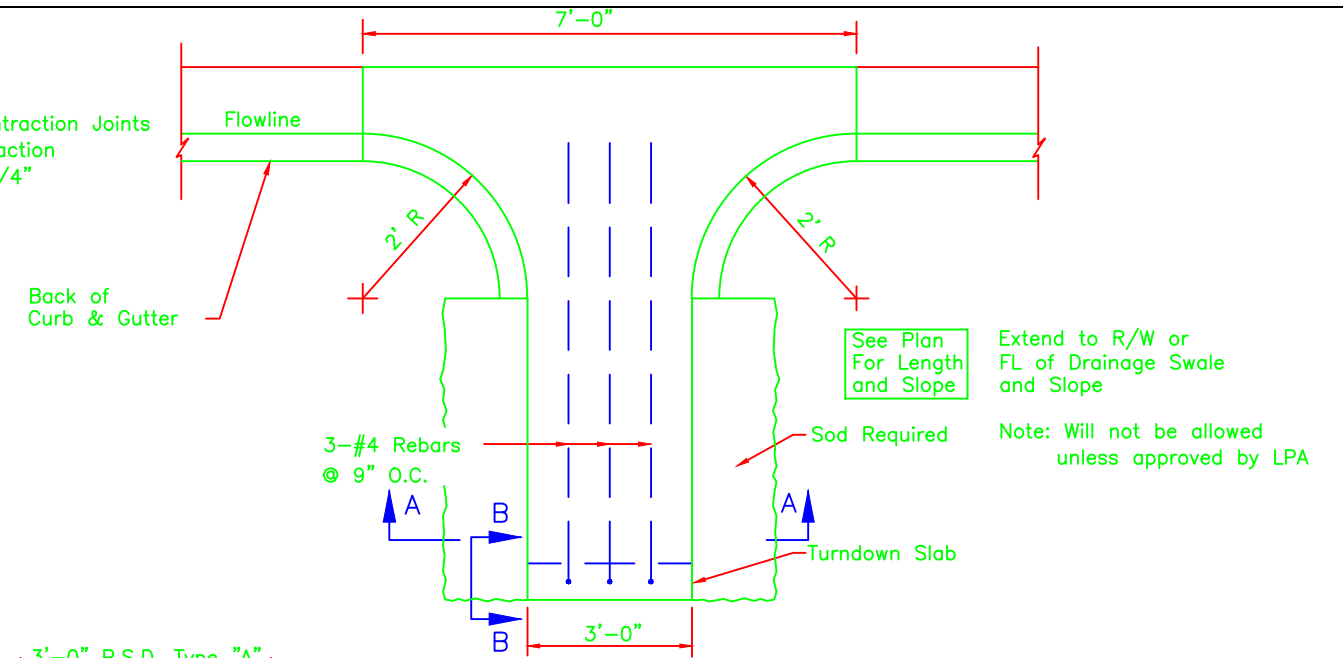


CURB TRANSITION

NOT TO SCALE

NOTES;
 1. Provide 1/2" Expansion Joints at 20'-0" o.c.
 2. All Exposed Surfaces Shall be Stripped Green, Troweled & Curb Edging Rubbed Smooth.

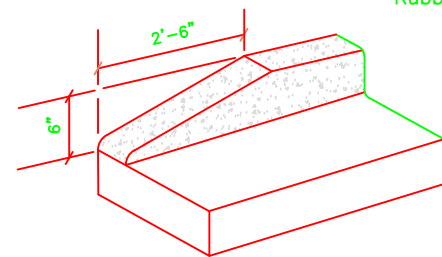
Note: Tooled or Sawcut Contraction Joints 10'-0" Centers. Contraction Joints to be Min. 1 1/4" Deep and 1/8" Wide.



CURB & GUTTER

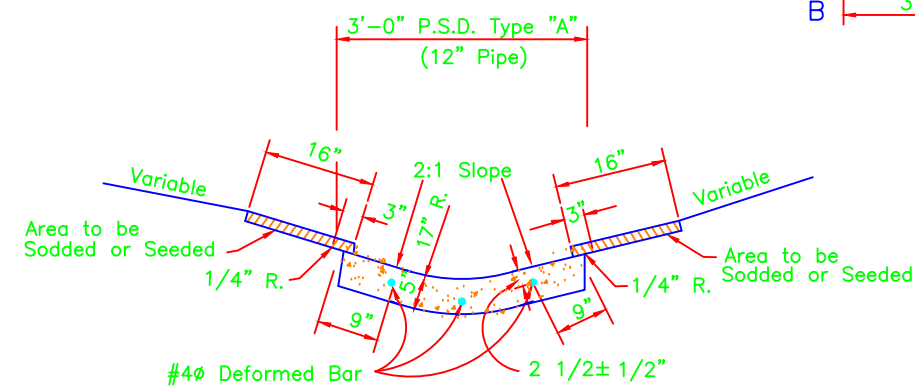
NOT TO SCALE

NOTE:
 "Slip Formed" curb and gutter are to be 4000 PSI concrete
 "Hand Formed" curb and gutter are to be 4500 PSI concrete

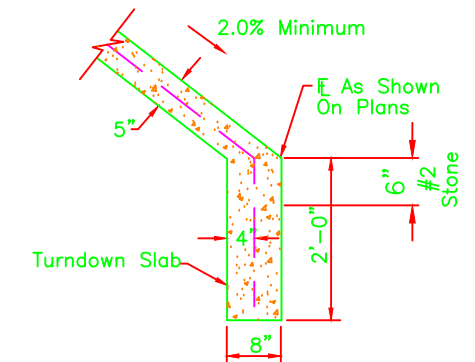


CURB TRANSITION

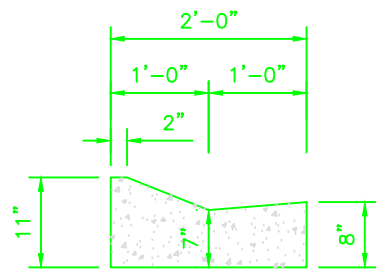
NOT TO SCALE



SECTION A-A



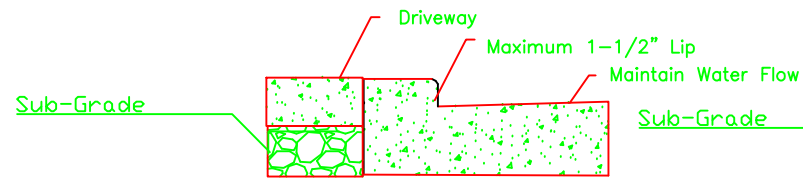
SECTION B-B



"V" Curb

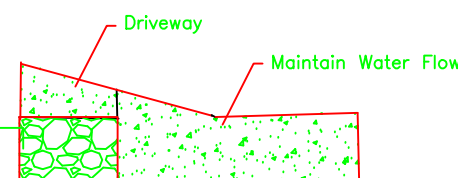
NOT TO SCALE

NOTES:
 (1) Tooled or Sawcut Expansion Joint @ all P.C. & P.T. of Curb Radius & Max. Spacing of Tangent Sections = 90 Deg.
 (2) Tooled or Sawcut Contraction Joints at 10'-0" Centers. Contraction Joint To Be Minimum 3" Deep & 1/8" to 1/4" Wide.



CURB & GUTTER DETAIL

NOT TO SCALE



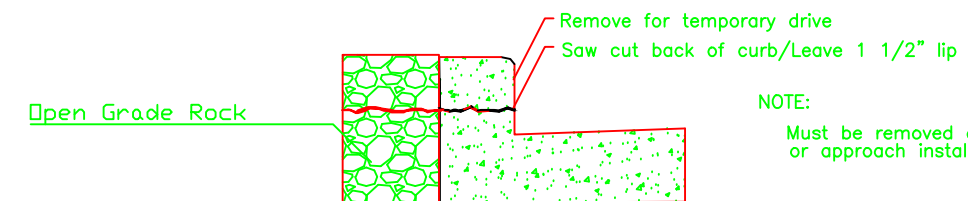
"V" CURB DETAIL

NOT TO SCALE

DRIVEWAY ENTRANCE DETAILS

STRAIGHT CURB TURNOUT & PAVED INVERT DETAIL

No Scale



TEMPORARY CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

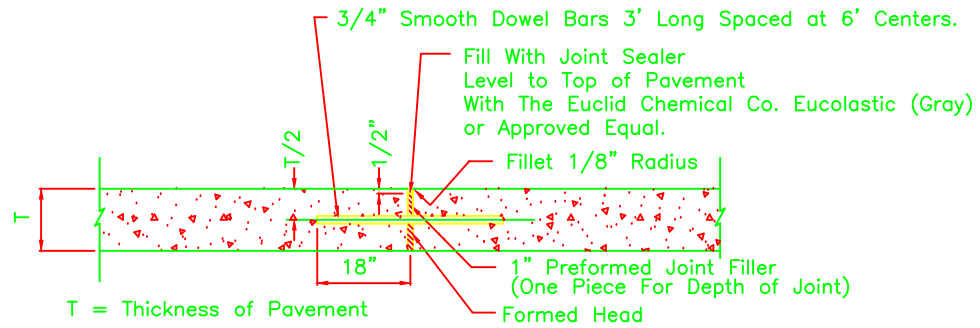
NOTE:
 Must be removed after construction and new curb or approach installed to City of Jasper Specifications

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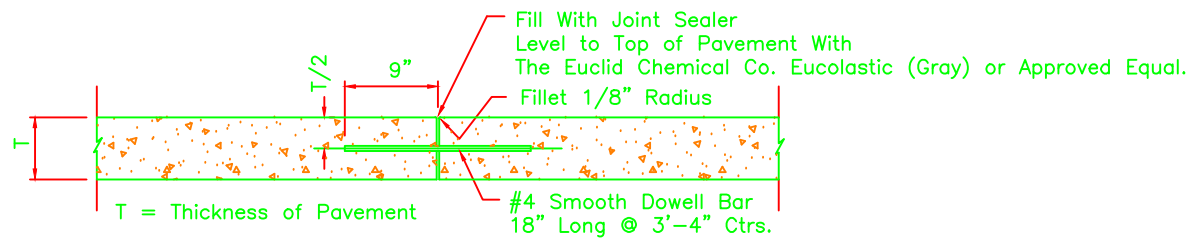
CURB/TURNOUT DETAILS



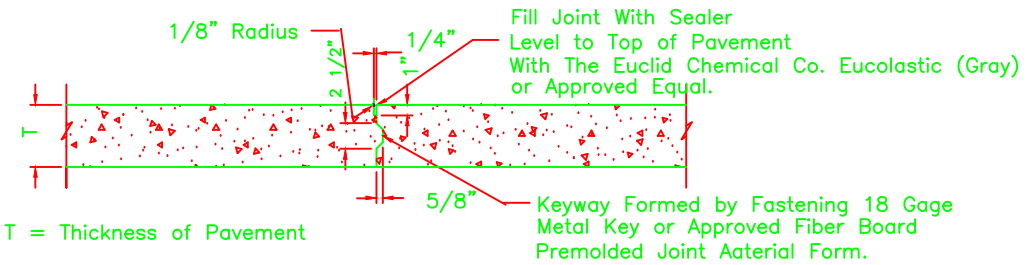
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SHEET NO. 5 OF 25



A TIED TRANSVERSE EXPANSION JOINT
 Not To Scale
 (AT END OF DAYS POUR)

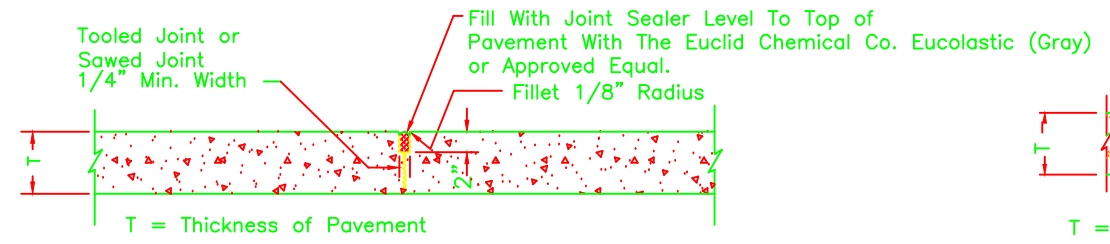
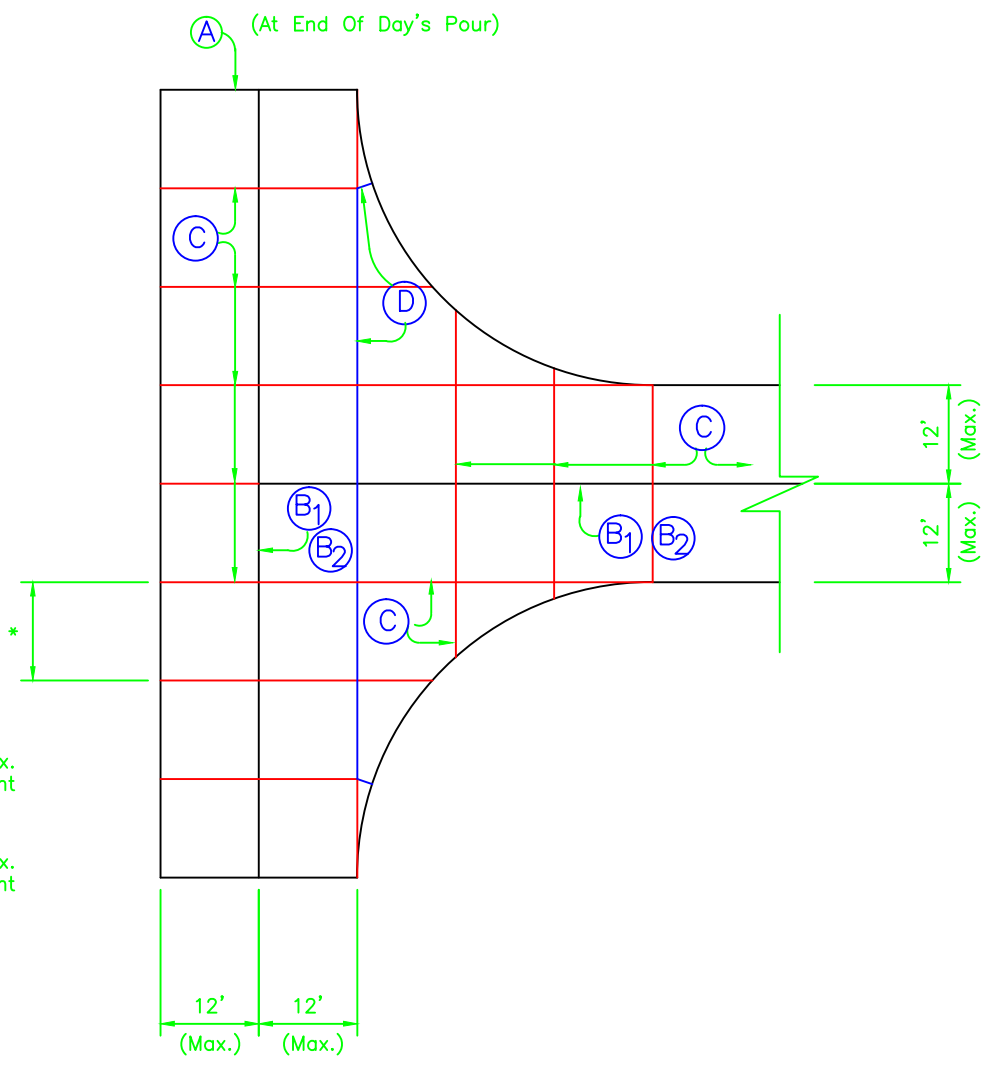


B1 LONGITUDINAL CONSTRUCTION JOINT
 Not To Scale
 (Q STREET)

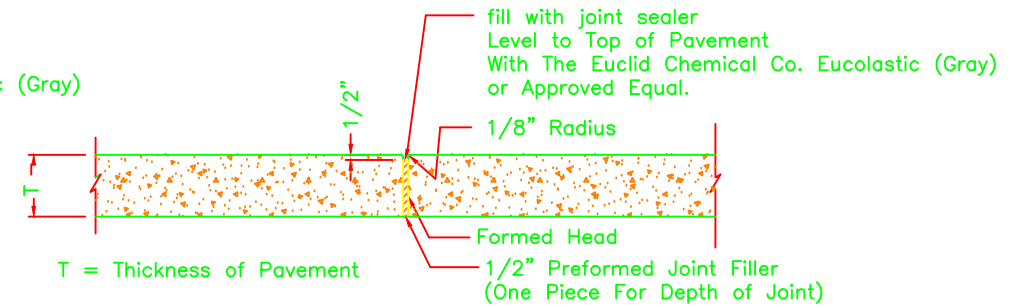


B2 LONGITUDINAL CONSTRUCTION JOINT
 Not To Scale
 (AT CROSS STREET INTERSECTIONS {DO NOT TIE})

JOINT DETAILS



C CONTRACTION JOINT
 Not To Scale
 (LONGITUDINAL OR TRANSVERSE)



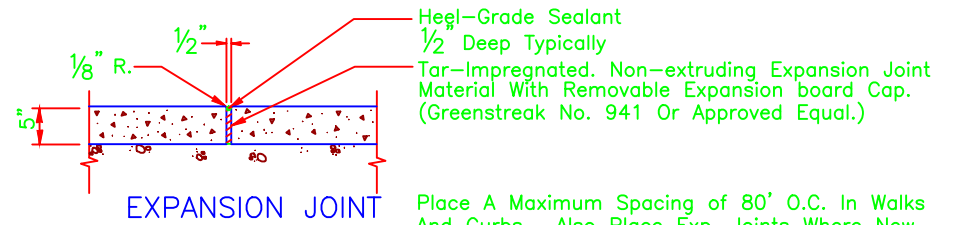
D TRANSVERSE EXPANSION JOINT
 Not To Scale

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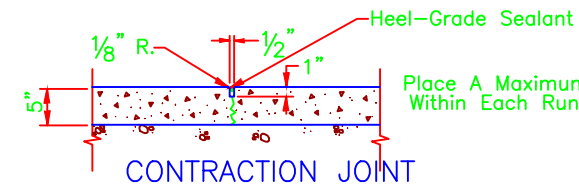
CONCRETE PAVEMENT JOINTING DETAILS



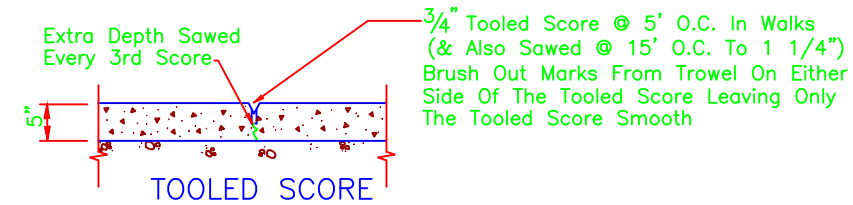
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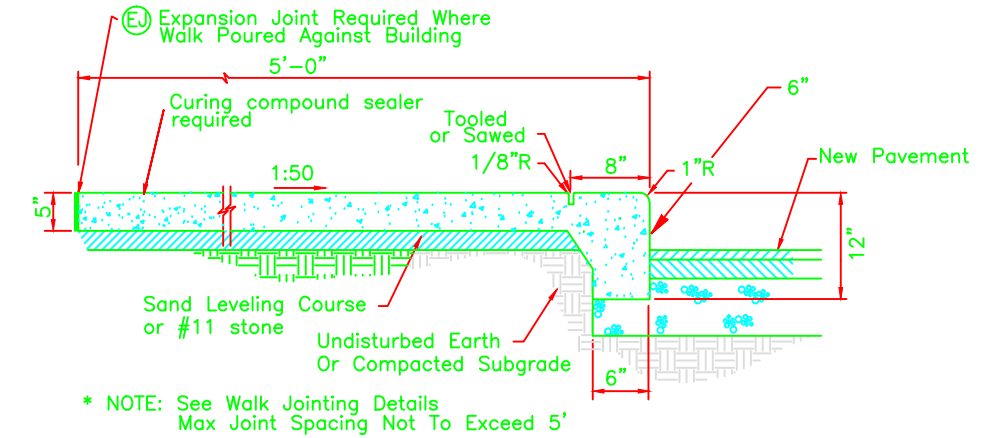
Place A Maximum Spacing of 80' O.C. In Walks And Curbs. Also Place Exp. Joints Where New Concrete Walks Meet Existing Pavements, Buildings, And Between Walk & Curb or Other Locations Shown on Plans.



Place A Maximum Spacing of 5' O.C. Within Each Run. Make Spaces Equal.

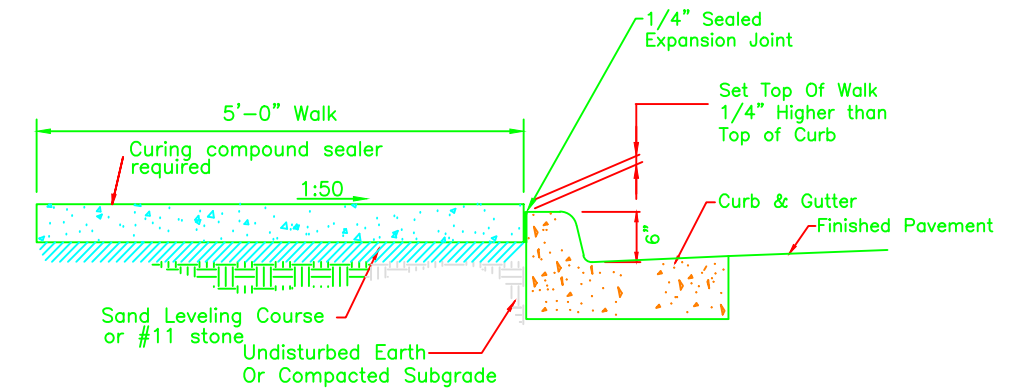


CONCRETE WALK JOINTING
NOT TO SCALE

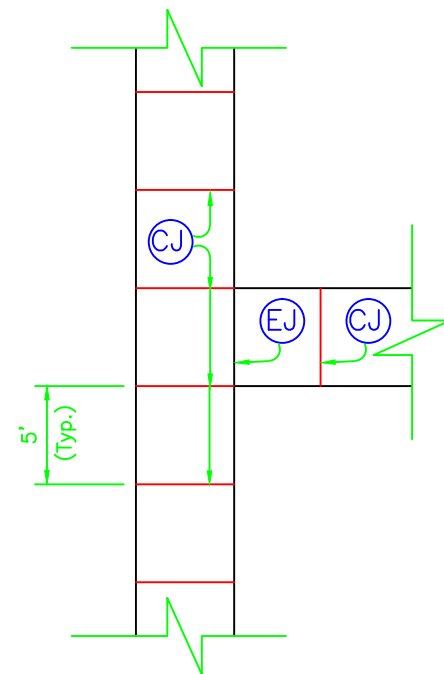


* NOTE: See Walk Jointing Details
Max Joint Spacing Not To Exceed 5'

INTEGRAL CURB/WALK
Not to Scale



SEPARATE CURB/WALK
SCALE: 3/4"=1'-0"



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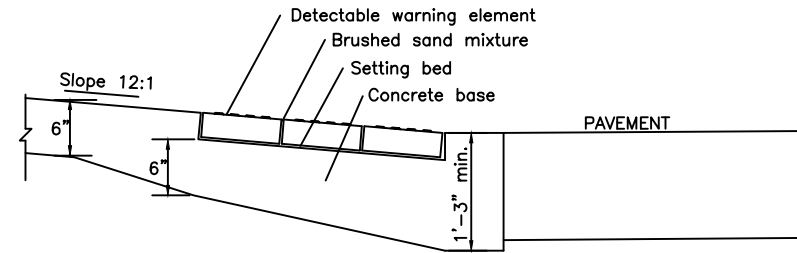
CONCRETE WALK JOINTING DETAILS



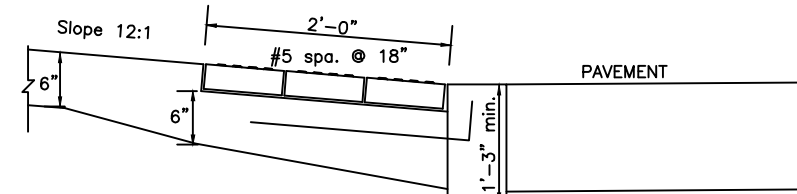
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GENERAL NOTES:

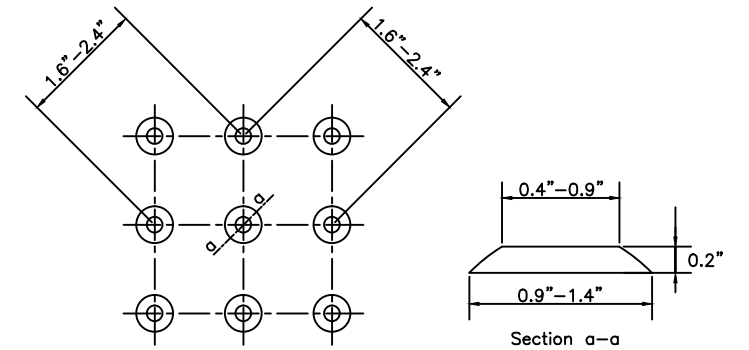
- ① These dimensions are based on a 6" curb height. They shall be proportionally adjusted for other curb heights.
- ② A 3' min. width ramp may be used when existing space prohibits the construction of the 4' wide ramp.
- ③ The bottom edge of the curb ramp shall be flush with the edge of the adjacent pavement & gutter line.
- ④ Maximum cross slope on landings shall be 2.0% in any direction. The running slope of the curb ramp may be steepened to a max. of 10:1 for a maximum 6" rise.
- ⑤ Concrete for curb ramps shall be 4500psi concrete.
- ⑥ All exposed edges shall be rounded with a 1/4" radius tool.
- ⑦ Subgrade for curb ramps shall be a minimum of 2" thick of either "B" Borrow or No.53 crushed stone & mechanically compacted.
- ⑧ A 1/2" preformed joint filler shall be installed in the curb at the beginning & ends of the ramp and between the curb & ramp.
- ⑨ Algebraic difference in grade between the base of curb ramp and the gutter shall be limited to less than 11%. If the grades are greater than 11%, a 2'-0 wide level strip shall be provided. See detail sketch below.
- ⑩ The cost of the curb ramp includes the ramp, flared sides, warped or rolled edges and detectable warning domes.
- ⑪ Detectable warning truncated domes may be constructed with brick per INDOT standards; or with Armor-Tile, cast-in-place panels, or Meltdown or adhesive.
- ⑫ Detectable warning dome area must meet ADA Requirements for color contrast.
- ⑬ Paint curb in the width of the ramp in accordance with INDOT specifications 604.03 (i)
- ⑭ See for details of the detectable warning.
- ⑮ See for alternate curb construction.
- ⑯ See for general notes.



BRICK SURFACE CONSTRUCTION

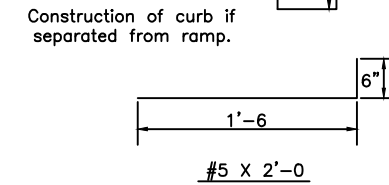


ALTERNATE CURB CONSTRUCTION

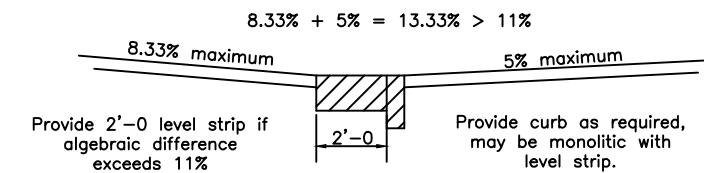


Square Pattern

TRUNCATED DOMES USED IN DETECTABLE WARNINGS



ALTERNATE CURB CONSTRUCTION



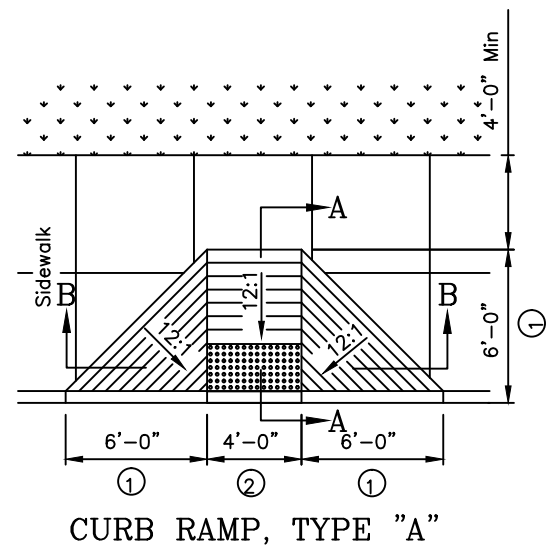
CHANGE OF GRADE

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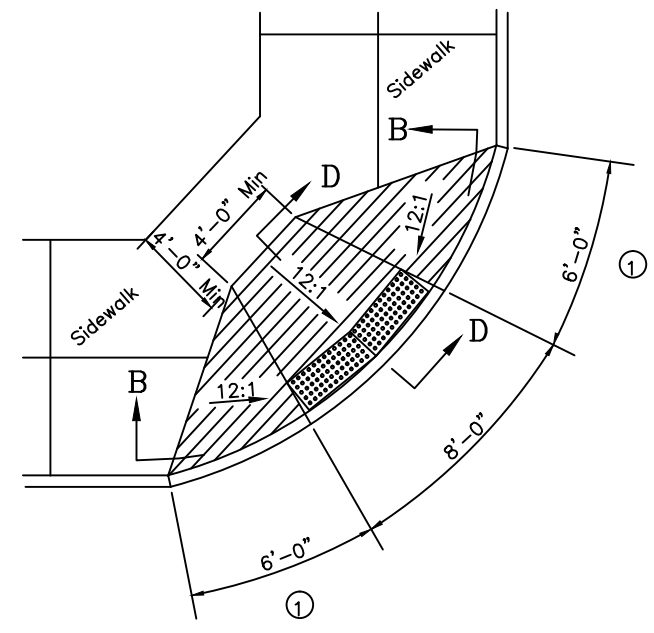
CURB RAMP DETAILS AND NOTES



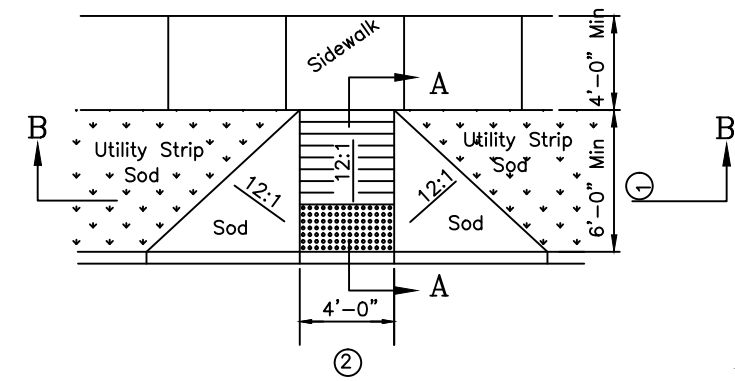
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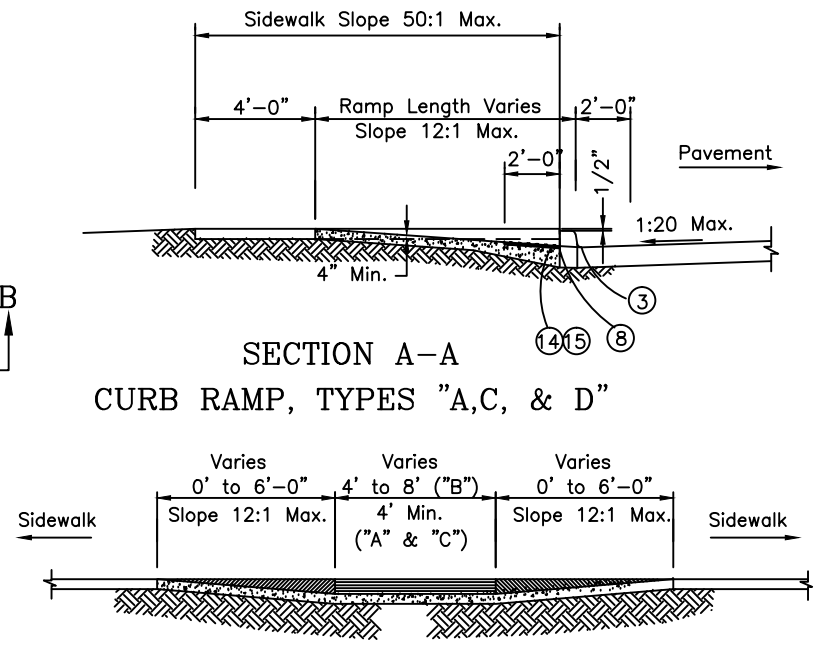
CURB RAMP, TYPE "A"



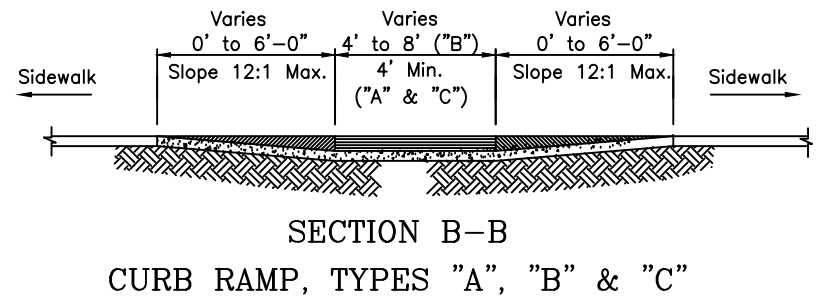
CURB RAMP, TYPE "B"



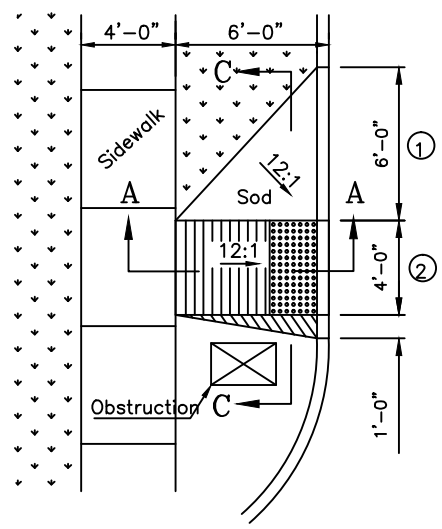
CURB RAMP, TYPE "C"



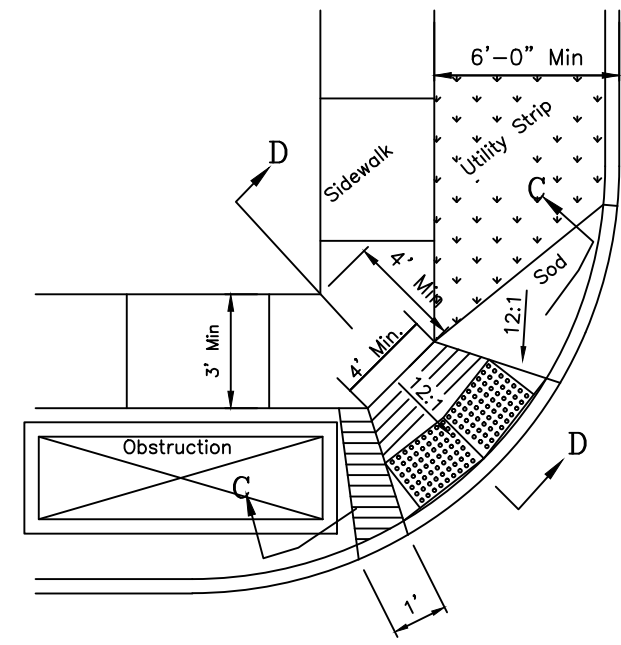
SECTION A-A
CURB RAMP, TYPES "A, C, & D"



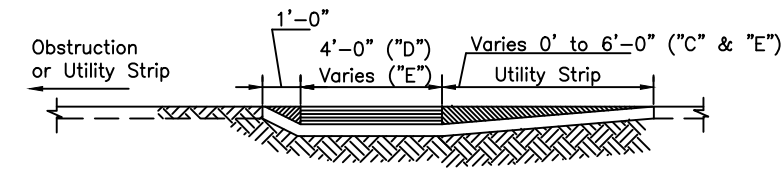
SECTION B-B
CURB RAMP, TYPES "A", "B" & "C"



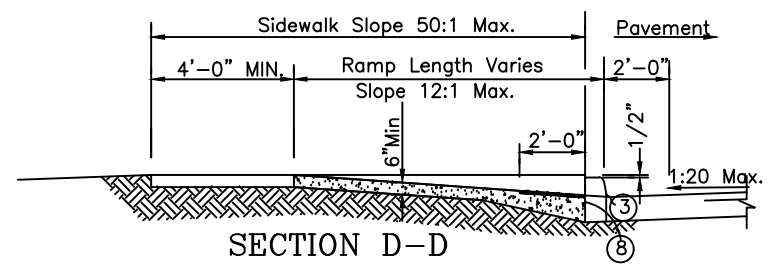
CURB RAMP, TYPE "D"



CURB RAMP, TYPE "E"



SECTION C-C
CURB RAMP, TYPES "D" & "E"



SECTION D-D
CURB RAMP, TYPES "B" & "E"

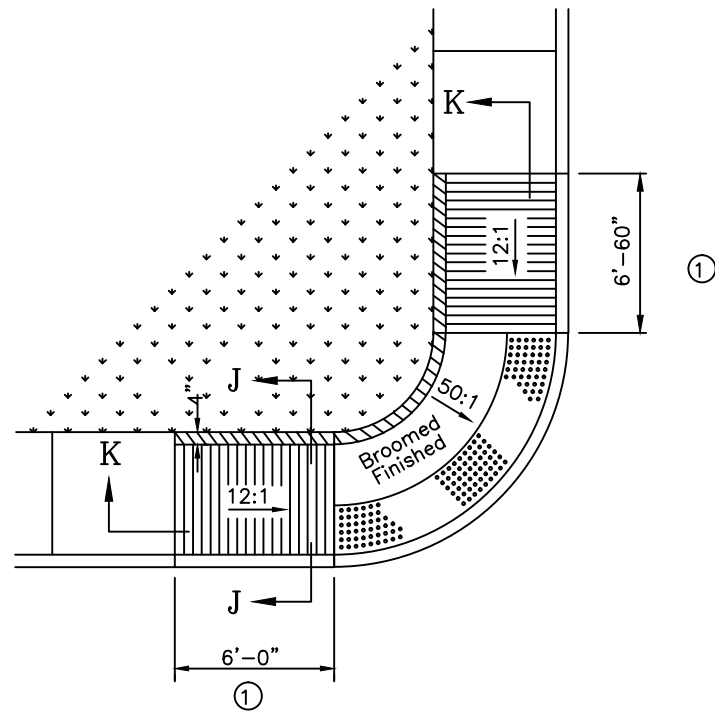
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CURB RAMP DETAILS

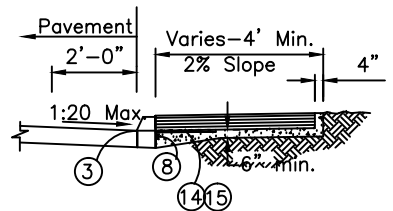
TYPES "A, B, C, D, and E"



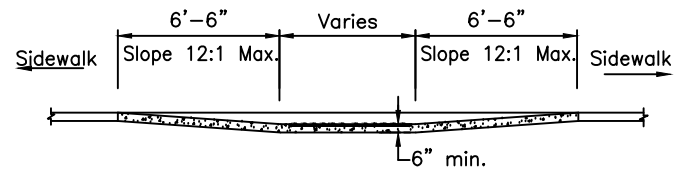
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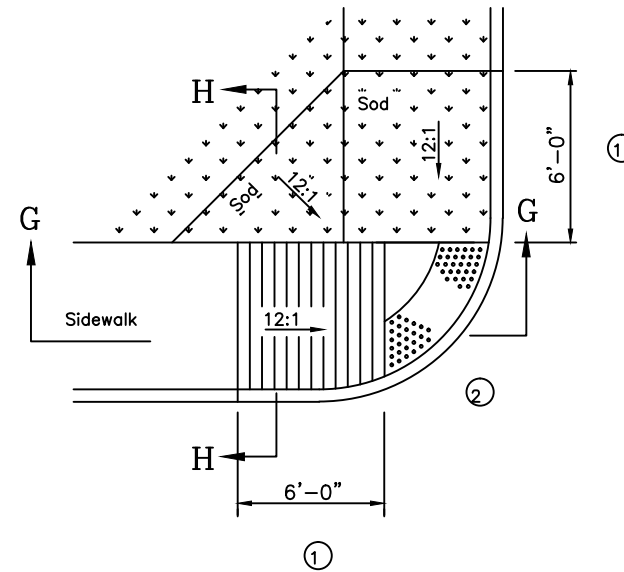
CURB RAMP, TYPE "F"



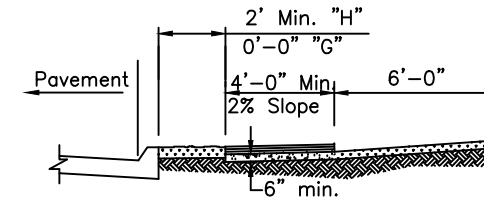
SECTION J-J
CURB RAMP, TYPE "F"



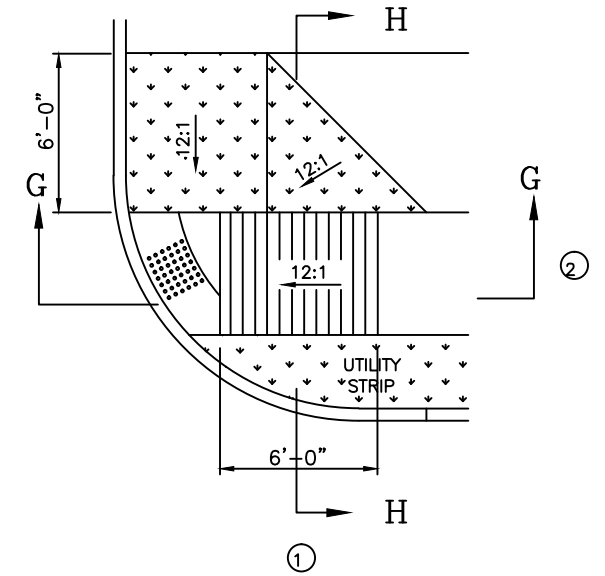
SECTION K-K
CURB RAMP, TYPE "F"



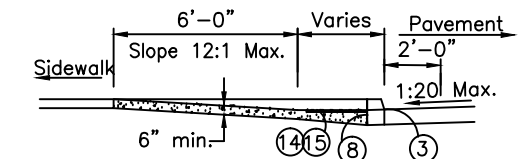
CURB RAMP, TYPE "G"



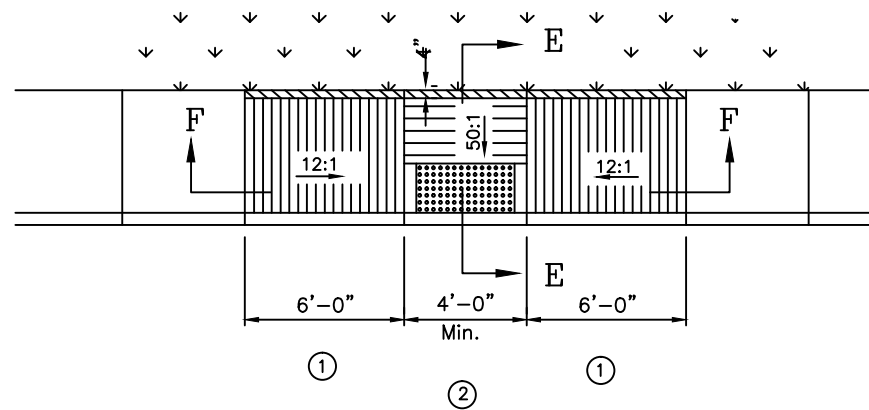
SECTION H-H
CURB RAMP, TYPES "G & H"
(Reversed for "H")



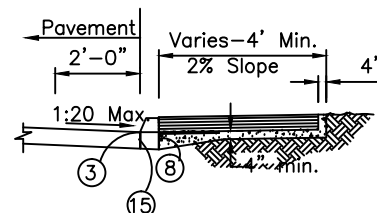
CURB RAMP, TYPE "H"



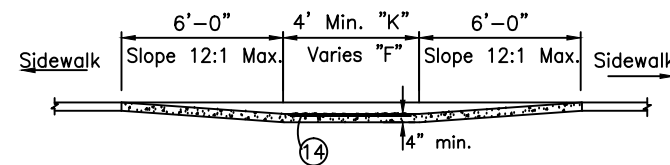
SECTION G-G
CURB RAMP, TYPES "G & H"
(Reversed for "H")



CURB RAMP, TYPE "K"



SECTION E-E
CURB RAMP, TYPE "K"



SECTION F-F
CURB RAMP, TYPE "K"

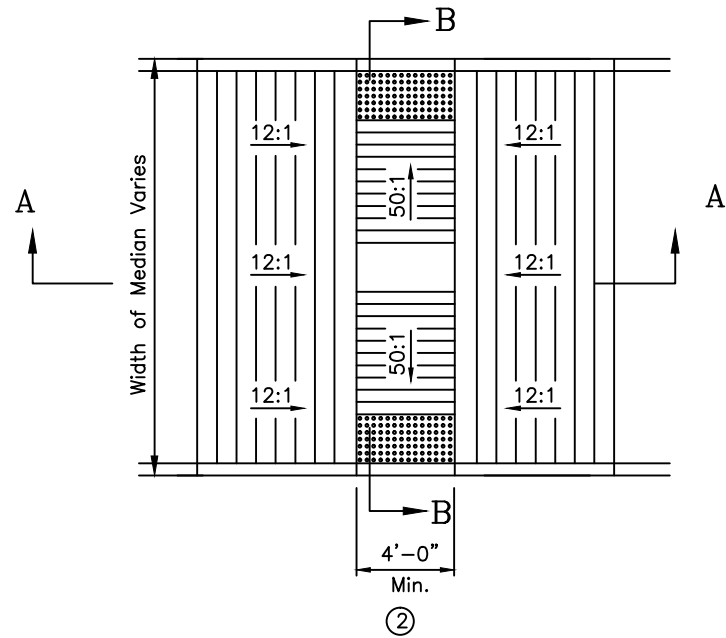
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CURB RAMP DETAILS

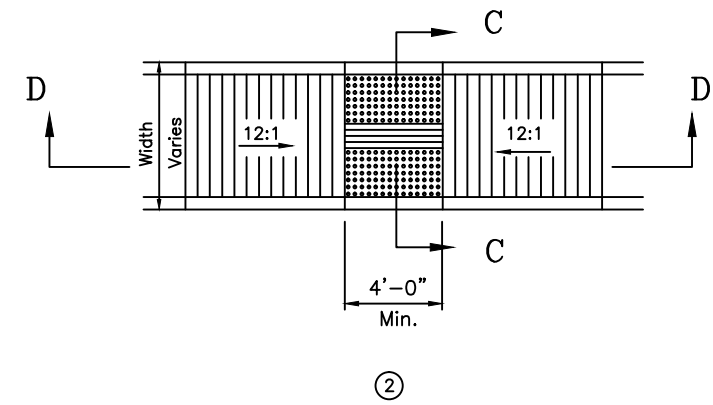
TYPES "F, G, H, and K"



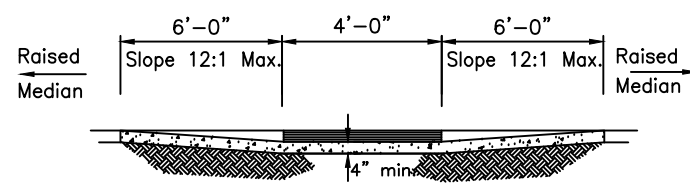
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APPROVED BY:
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SHEET NO. 10 OF 25



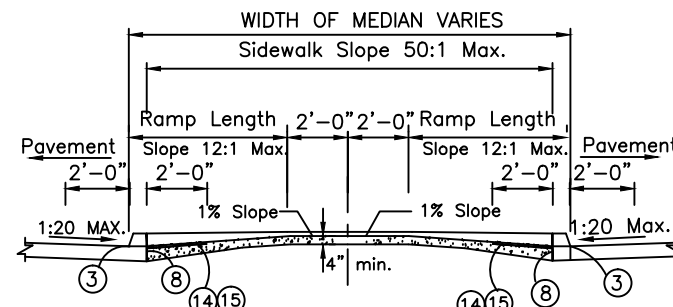
CURB RAMP, TYPE "L"



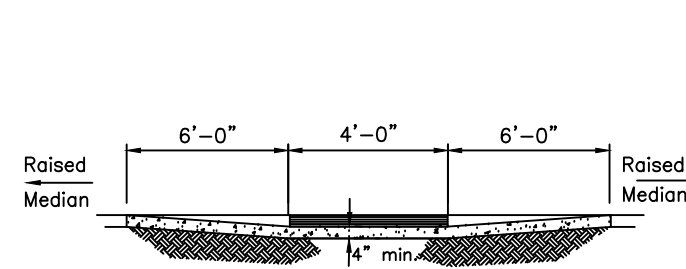
CURB RAMP, TYPE "M"



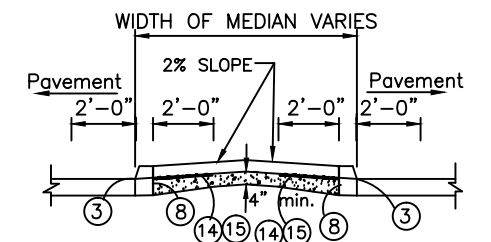
SECTION A-A
CURB RAMP, TYPE "L"



SECTION B-B
CURB RAMP, TYPE "L"



SECTION D-D
CURB RAMP, TYPE "M"



SECTION C-C
CURB RAMP, TYPE "M"

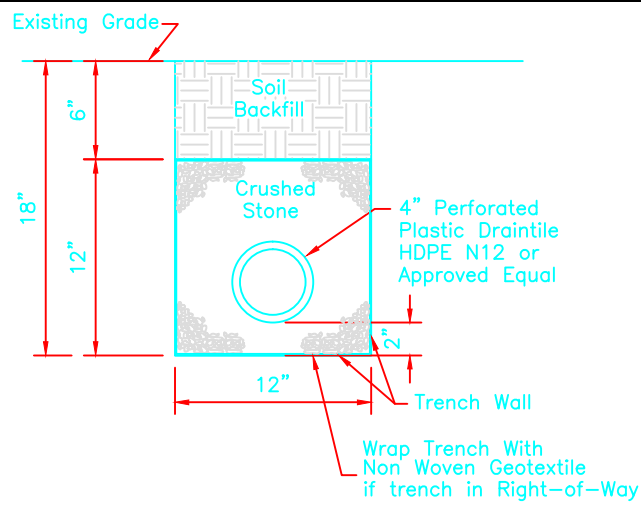
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CURB RAMP DETAILS

TYPES "L, and M"

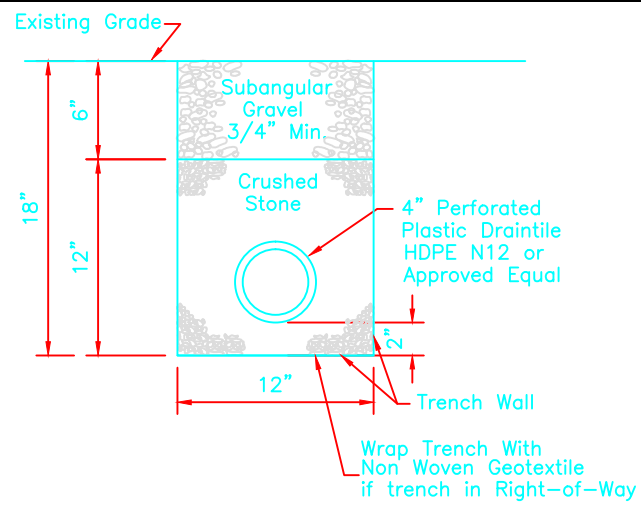


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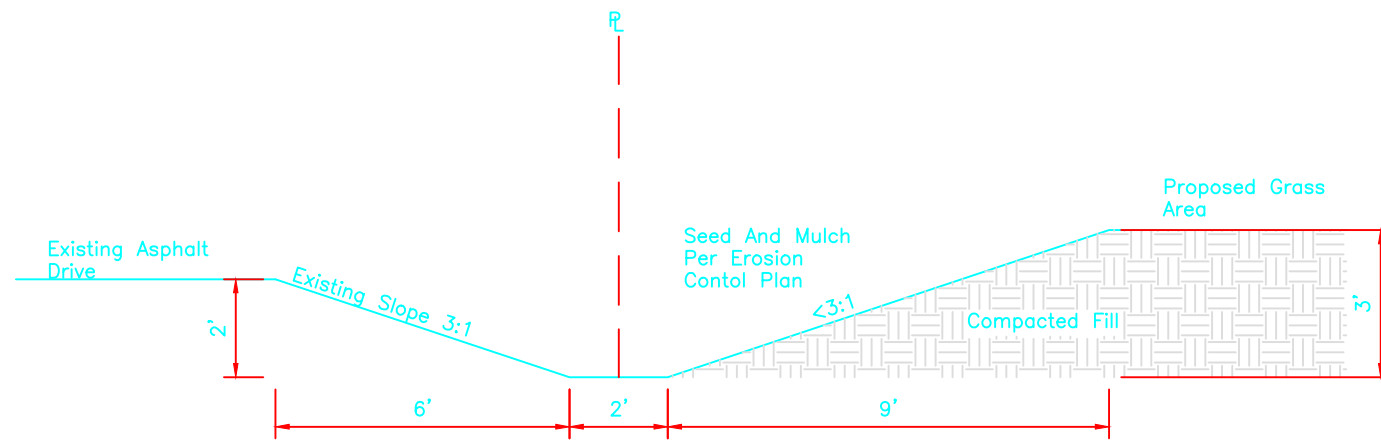
TYPICAL SUBSURFACE DRAINAGE CROSS SECTION

Scale: 1"=1'-0"



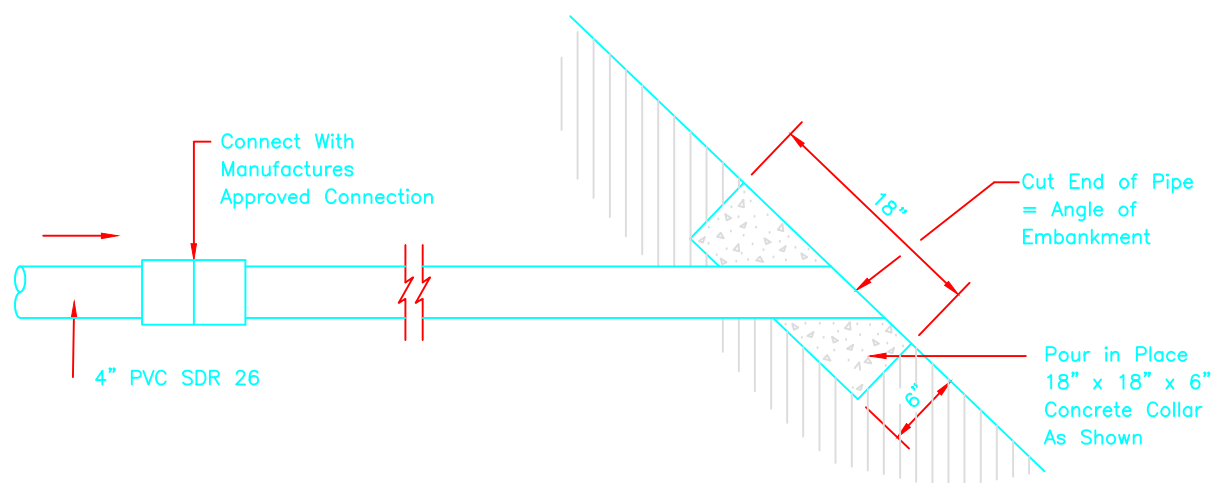
FRENCH DRAIN DETAIL

Scale: 1"=1'-0"



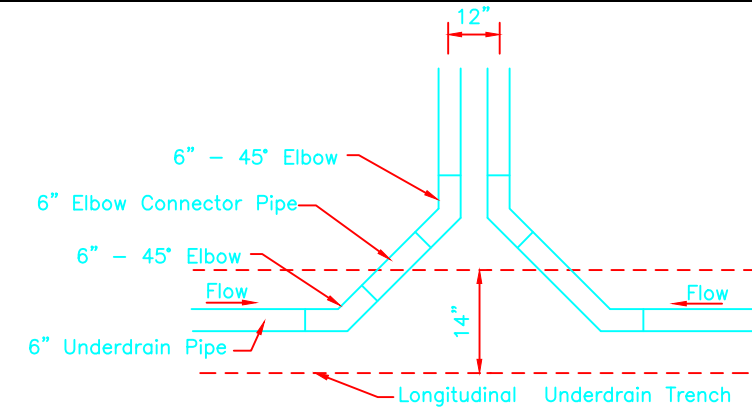
PROPOSED GRASS LINED CHANNEL

Scale: 1/2"=1'-0"

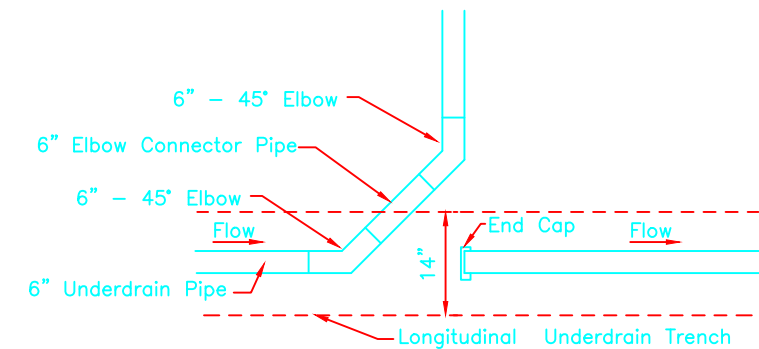


DRAIN OUTFALL

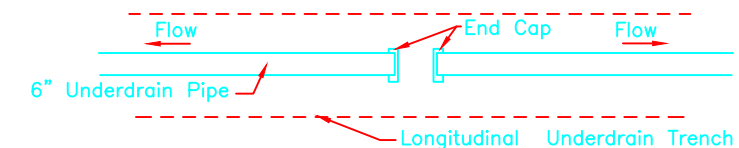
- NOTES:**
1. Underdrain placement in Right-of-Ways requires 6" pipe and fittings
 2. Underdrain placement in Non Right-of-Ways may use 4" pipe and fittings
 3. Recommended Clean-out access placement is at lot corners or max of 150'



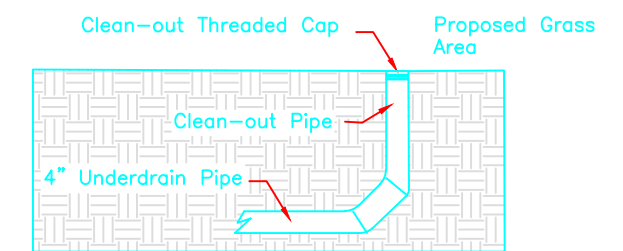
TWIN OUTLET DETAIL - PLAN VIEW



SINGLE OUTLET DETAIL - PLAN VIEW



PLAN INSTALLATION AT CREST



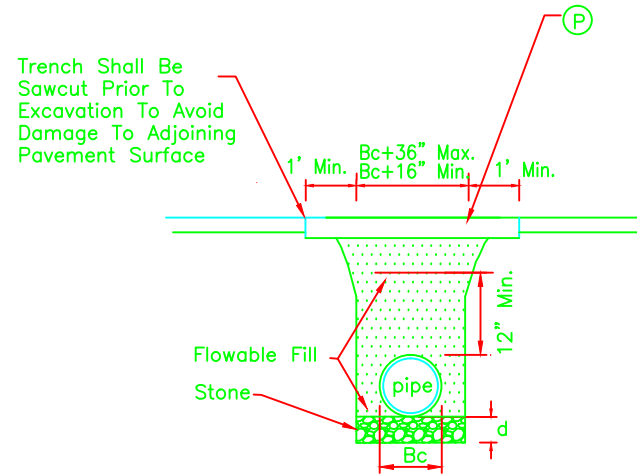
CLEAN-OUT DETAIL - PROFILE VIEW

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3			
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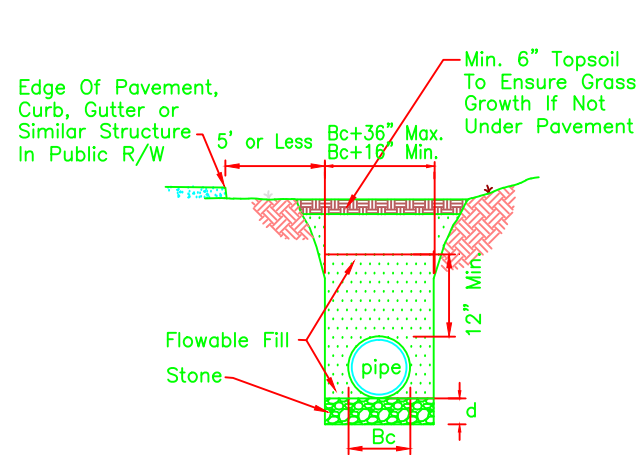
UNDERDRAIN DETAILS



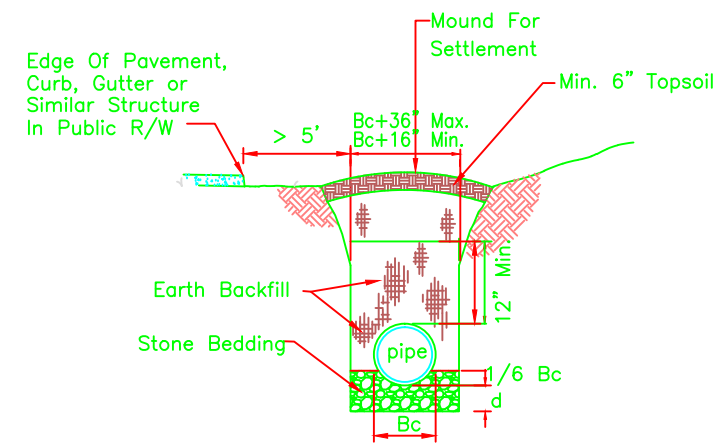
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BENEATH PAVEMENT



WITHIN 5' OF
EDGE OF PAVEMENT



GREATER THAN 5' FROM
EDGE OF PAVEMENT

STORM SEWER TRENCH/PIPE BEDDING DETAIL FOR REINFORCED CONCRETE PIPE (RCP)

NOT TO SCALE

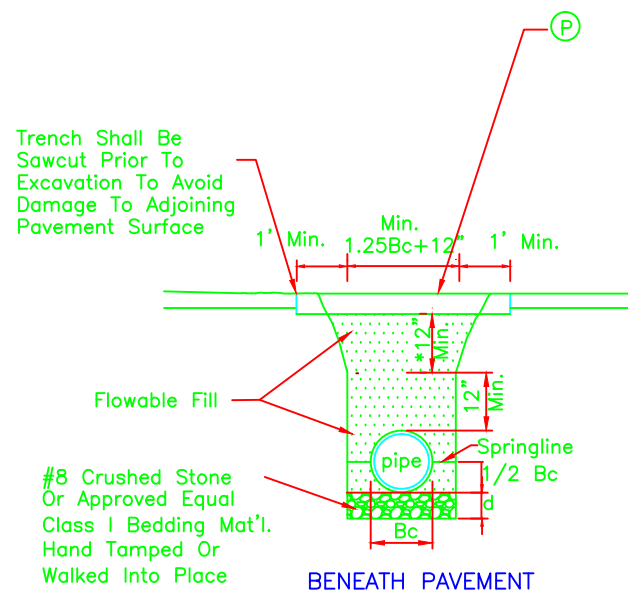
All Bedding & Initial Shall Be Installed
In 6" To 12" Balanced Lifts
A Minimum 9" Of Clearance Shall Be
Provided On Each Side Of Installed Pipe

LEGEND

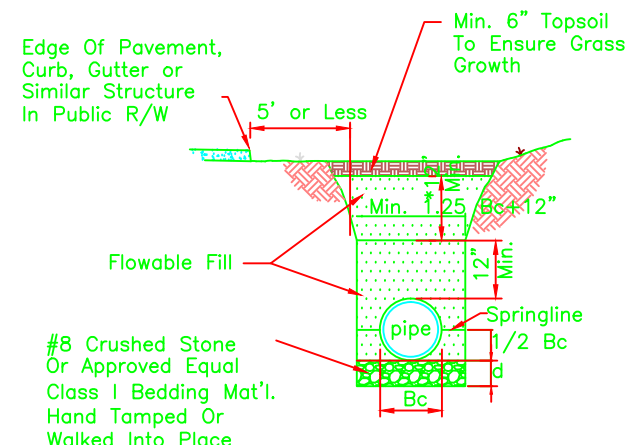
Bc	Outside Diameter
D	Inside Diameter
d	Depth of Bedding Material Below Pipe

Depth of Bedding Material Below Pipe	
D	d
27" & Smaller	4"
30" & Larger	6"

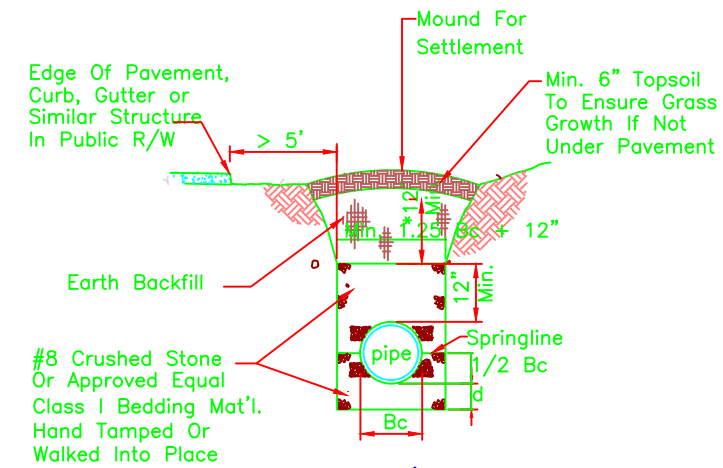
Trench Width 1.25Bc + 12" D Minimum 28"	
Bc(outside dia.)	Width
12"	30"
15"	34"
18"	38.5"
24"	46.75"
30"	56"
36"	64"
42"	71.75"
48"	79"
60"	95"



BENEATH PAVEMENT



WITHIN 5' OF
EDGE OF PAVEMENT



GREATER THAN 5' FROM
EDGE OF PAVEMENT

STORM SEWER TRENCH/PIPE BEDDING DETAIL FOR PLASTIC PIPE (PVC & HDPE)

NOT TO SCALE

* or per Manufacturer's Specifications
* precautions must be taken to keep
pipe from floating during installation.

165#/SYS Surface Type A
330#/SYS Intermediate Type A
Variable Depth Base (Thickness req'd. to match depth of existing pavement.

Concrete Pavement Patching
the thickness of PCCP shall match that of existing concrete pavement, but shall not be less than 6" 4000 PSI with dowels placed at midpoint of PCCP slab spaced at 12" O.C.

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STORM SEWER BEDDING DETAILS



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NOTES

1. Manhole Frame & Cover ASTM A-48, Latest Edition, Class 35 With 24" Diameter Lid.

TRAFFIC AREAS: 7" Min. Hgt. 365# Min. Wgt., Equal to East Jordan 1020-3 Heavy Duty Cover, Machined Bearing Surface & Concealed Lift Holes. (Set Lid Flush With Finished Street Surface).

NON-TRAFFIC AREAS: 4" or 7" Hgt. 255# Min. Wgt., Equal to East Jordan 1020-1 With Heavy Duty Cover, Machined Bearing Surface & Concealed Lift Holes. Set Top 2" Above Grade (After Earth Settlement).

2. Minimum of Two (Maximum 16") of Concrete Grading Rings. (Seal Between Casting and each Ring With 1 1/4" Preformed Butyl Rubber Base Flexible Gasket Meeting Fed. Spec. SS-S-210A. Minimum Size 3/4".

3. Precast Cone Section ASTM C-478, 4000 P.S.I. Concrete.

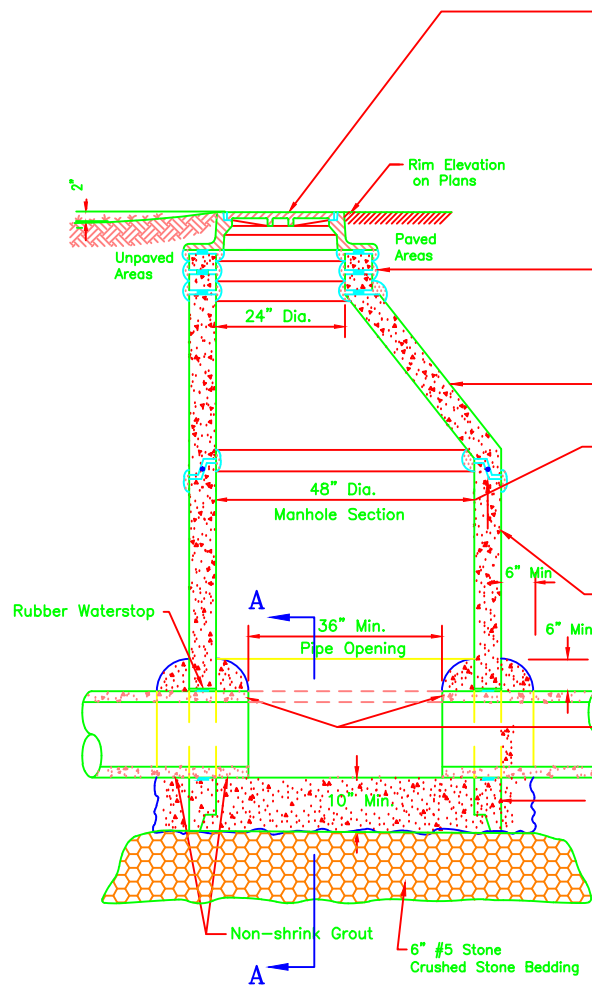
4. Joints: O-ring or Profile Rubber Gasket Joint in accordance with ASTM C-443 A Joint Wrap shall Be Req'd on exterior.

5. Precast Riser Section ASTM C-478, 4000 P.S.I. Concrete.

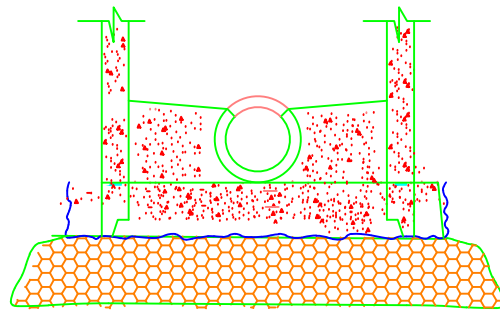
6. Poured Concrete Base Section 3500 P.S.I. Conc. With Smooth Invert Channels Accurately Shaped to a Depth Equal to 3/4 of the Inside Dia. of Sewer Pipe. Manhole Shelf to Slope Towards Channels at 1:12. Pipe to be Cast into Poured Base Using a Rubber Gasket Water Stop.

on Pipes 36" or Larger, Where Practical, the Storm Pipe May be Ran Through the Manhole and the Through Can Serve as Pipe Itself Acts as the Flowline. The Access Hole Broken Out of the Top Shall Be Clean and Meet the 36" Min. Pipe Opening Shown. Areas Beyond the Knockout and Between the Pipe and Manhole Shall be filled with concrete to form shelf on Pipes 30" or Smaller Pipe Must Start & Stop. No Knockout in Top of Continuous Pipe Will be Allowed.

Note: For all new construction, all piping must be discontinued through Manhole as shown above.



STORM MANHOLE OVER EXISTING PIPE



SECTION A-A For Construction Over Existing Pipes Only

NOTES

1. Manhole Frame & Cover: ASTM A-48, Latest Edition, Class 35 with 24" Diameter Frame.

TRAFFIC AREAS: 7" Min. Hgt. 365# Min. Wgt., Equal To East Jordan 1020-3 Heavy Duty Cover, Machined Bearing Surface & Concealed Lift Holes. (Set Lid Flush With Finished Street Surface).

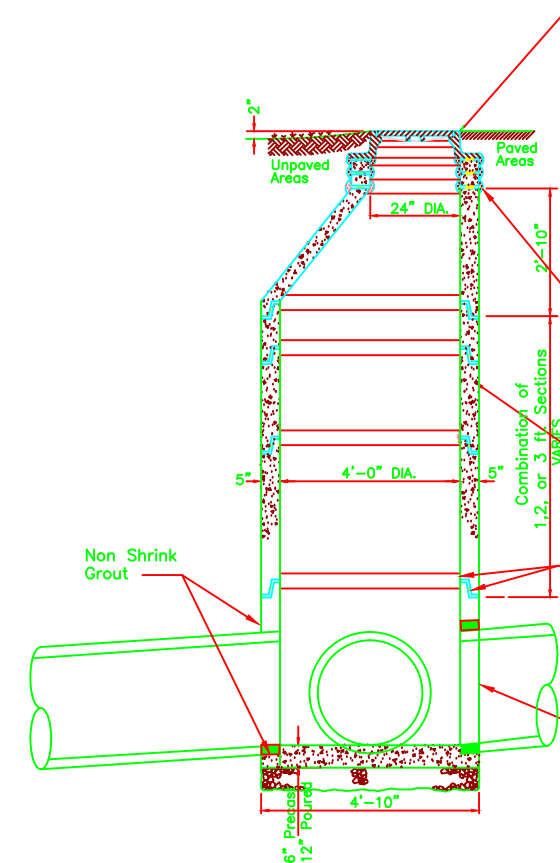
NON-TRAFFIC AREAS: 4" or 7" Hgt. 255# Min. Wgt., Equal To East Jordan 1020-1 With Heavy Duty Cover, Machined Bearing Surface & Concealed Lift Holes. Set Top 2" Above Grade (after earth settlement).

2. Minimum of Two (Maximum 16") Of Concrete Grading Rings. (Seal Between Casting And Each Ring With 1 1/4" Preformed Butyl Rubber Base Flexible Gasket Meeting Fed. Spec. SS-S-210A. Minimum Size 3/4".

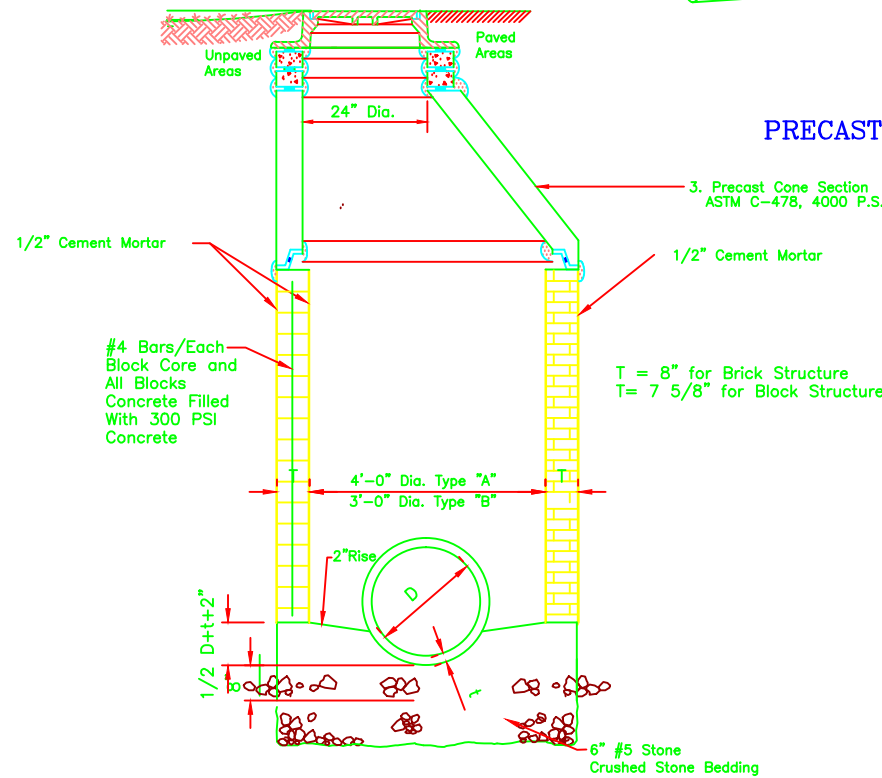
3. Precast Cone And Riser Sections ASTM C-478, 4000 P.S.I. Concrete.

4. Joints: O-ring or Profile Rubber Gasket Joint in accordance with ASTM C-443 A Joint Wrap shall Be Req'd. on Exterior.

5. Precast Base Section having a base barrel section cast with base to a point above top of pipe



PRECAST CONC. MANHOLE TYPE C-4



ALTERNATE MASONRY CONSTRUCTION

Note: For all new construction, all piping must be discontinued through structure

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STORM MANHOLE DETAILS



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 (812)-482-4255

NOTES

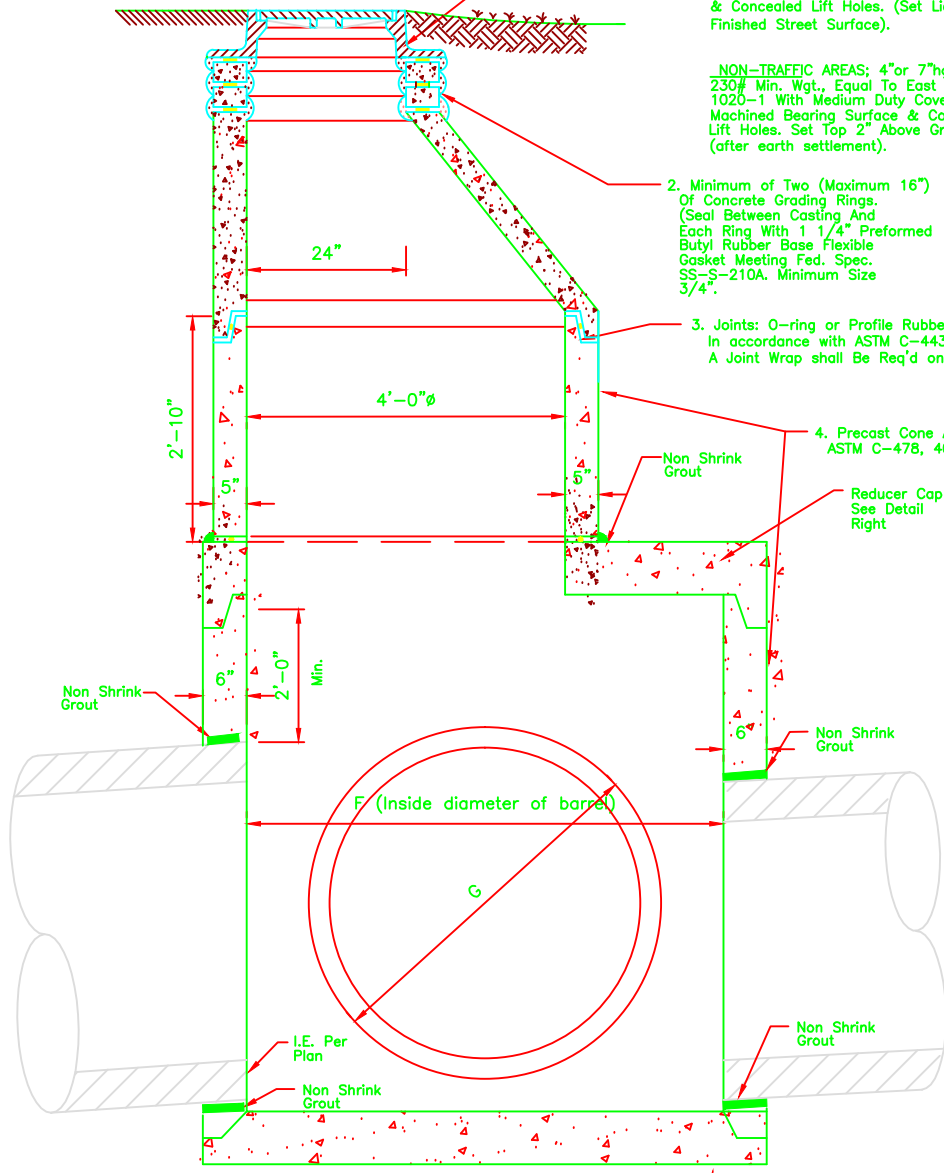
1. Manhole Frame & Cover:
ASTM A-48, Latest Edition, Class 35 with 24" Diameter Frame.
Traffic Areas: 7" Min. Hgt. 365# Min. Wgt., Equal to East Jordan 1020-3 Heavy Duty Cover, Machined Bearing Surface & Concealed Lift Holes. (Set Lid Flush With Finished Street Surface).

NON-TRAFFIC AREAS: 4" or 7" hgt. 230# Min. Wgt., Equal To East Jordan 1020-1 With Medium Duty Cover, Machined Bearing Surface & Concealed Lift Holes. Set Top 2" Above Grade (after earth settlement).

2. Minimum of Two (Maximum 16") Of Concrete Grading Rings. (Seal Between Casting And Each Ring With 1 1/4" Preformed Butyl Rubber Base Flexible Gasket Meeting Fed. Spec. SS-5-210A, Minimum Size 3/4".

3. Joints: O-ring or Profile Rubber Gasket Joint in accordance with ASTM C-443 A Joint Wrap shall Be Req'd on exterior.

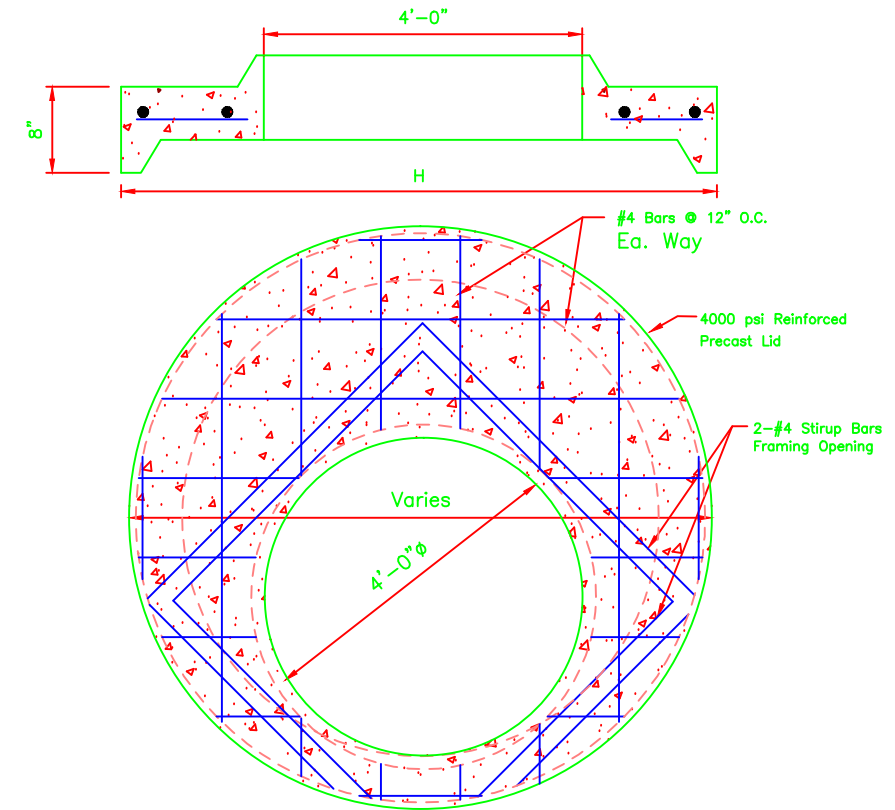
4. Precast Cone And Riser Sections ASTM C-478, 4000 P.S.I. Concrete.



MANHOLE

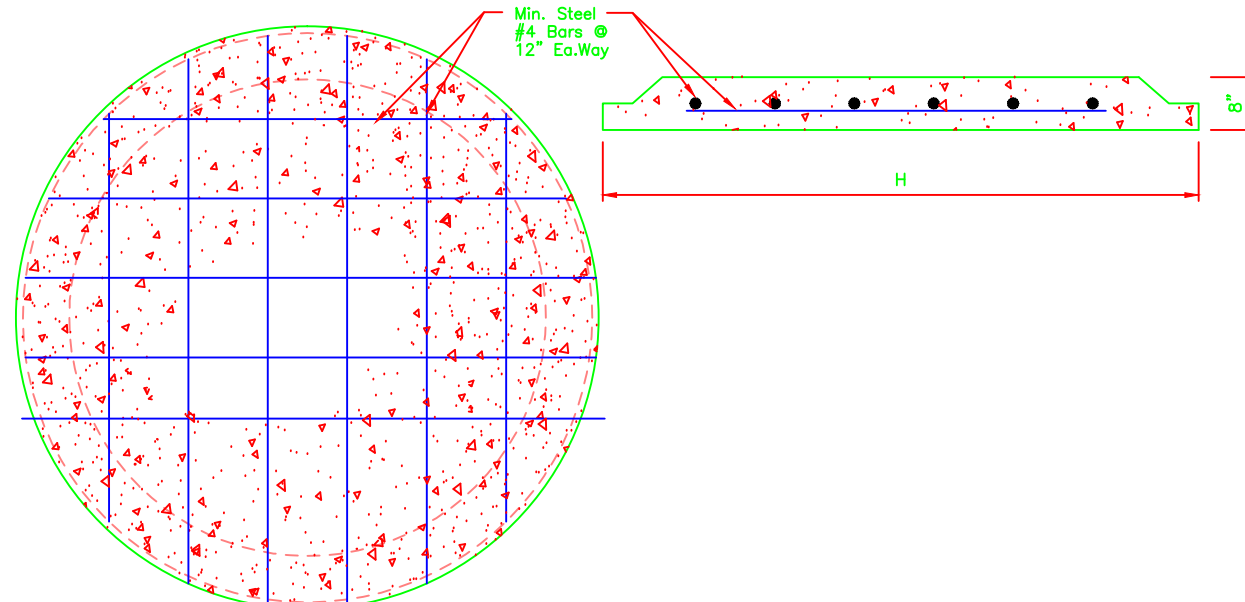
MANHOLE PIPE SIZES

Type	G (In.)	F (Ft. In.)	H (Ft. In.)	Maximum Pipe Size To Mainline (In.)	Maximum Pipe Size For Mainline (In.)
H	26 to 36	---	---	30	36
J	24 to 36	5'-0"	6'-0"	30	36
K	36 to 48	6'-0"	7'-2"	36	48
L	48 to 54	8'-0"	9'-0"	48	54
M	54 to 72	8'-6"	10'-0"	66	72
N	72 to 84	9'-0"	10'-8"	72	84



REDUCER CAP FOR PRECAST MANHOLE

Scale: 1/2"=1'-0"



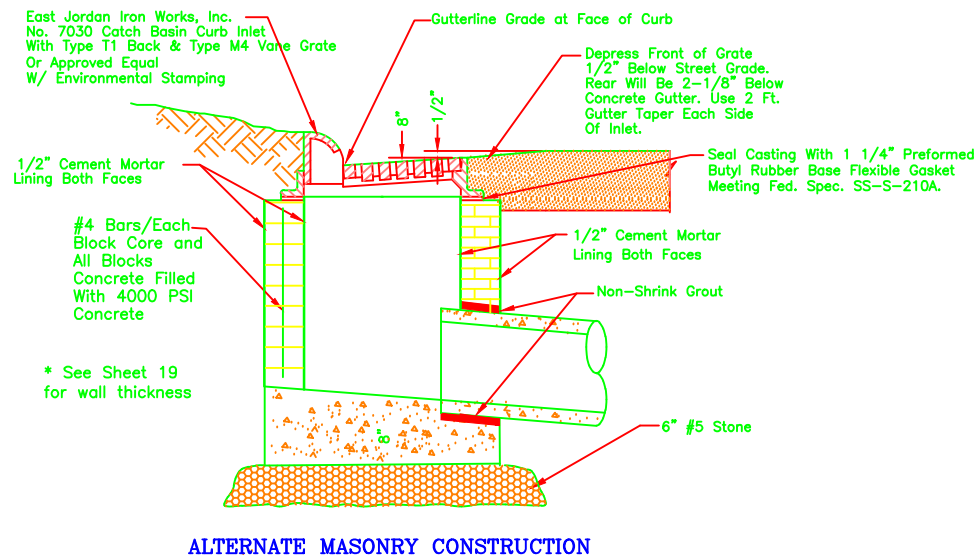
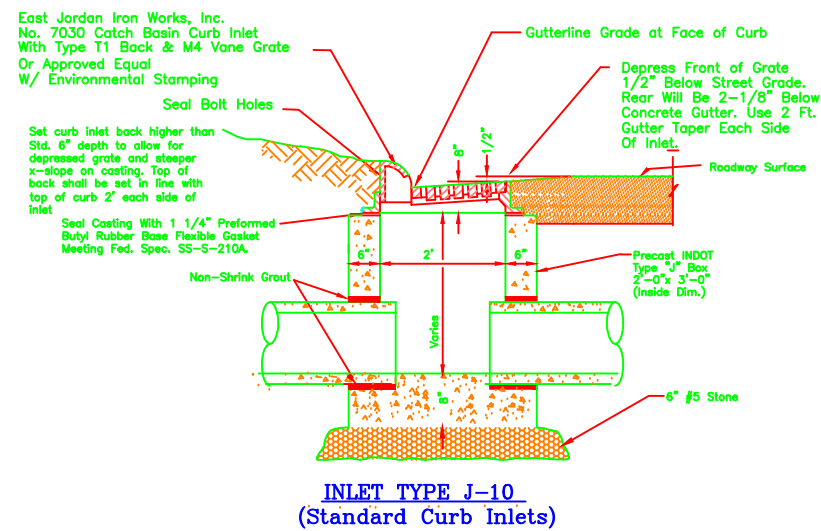
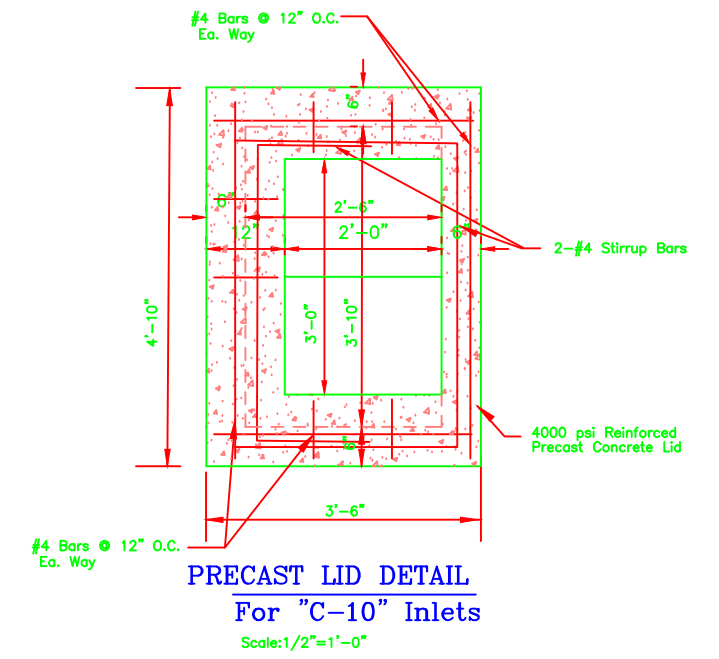
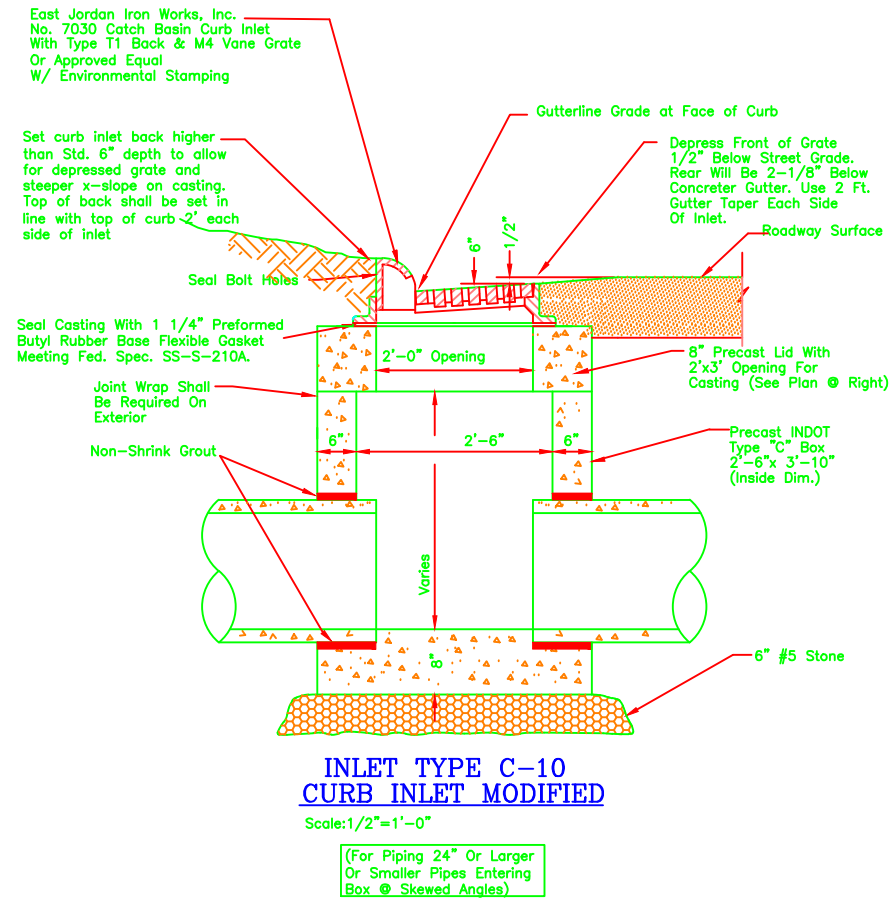
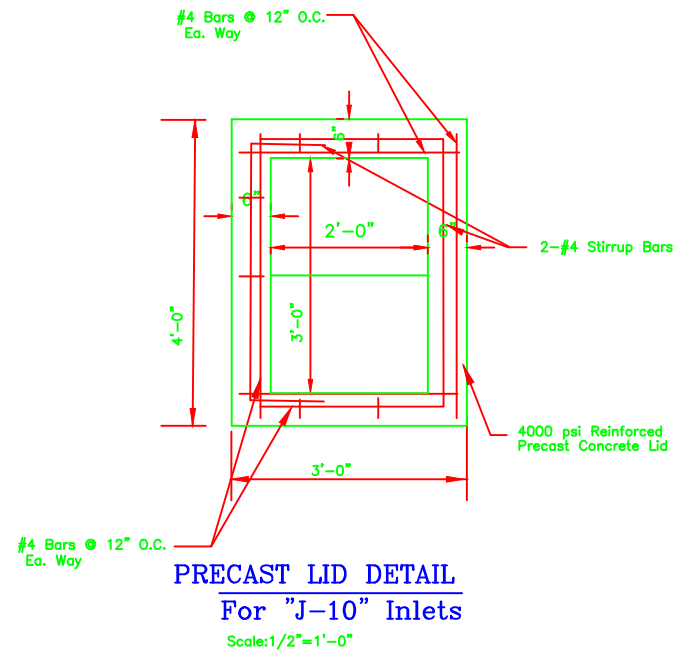
BASE FOR PRECAST MANHOLE

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MANHOLE DETAIL TYPES
H, J, K, L, M, AND N



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CURB INLET DETAILS

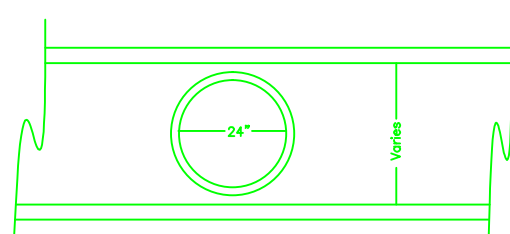


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NOTE:
East Jordan Irons Works 6221 grate or approved equivalent must be installed in Front Yard and adjacent to street.

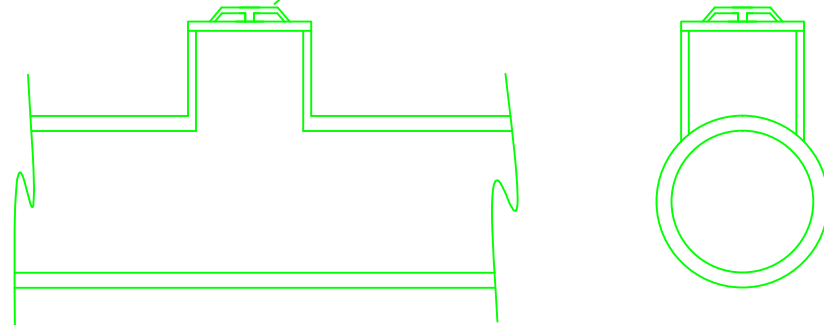
NOTE:
East Jordan Irons Works 6489 or 6488 ditch grate or approved equivalent must be installed in Side and Rear Yard. Grate model selection to be approved by City of Jasper Engineering Department.

NOTE:
Approved plastic or rubber risers can be used. Maximum height of riser not to exceed 12"

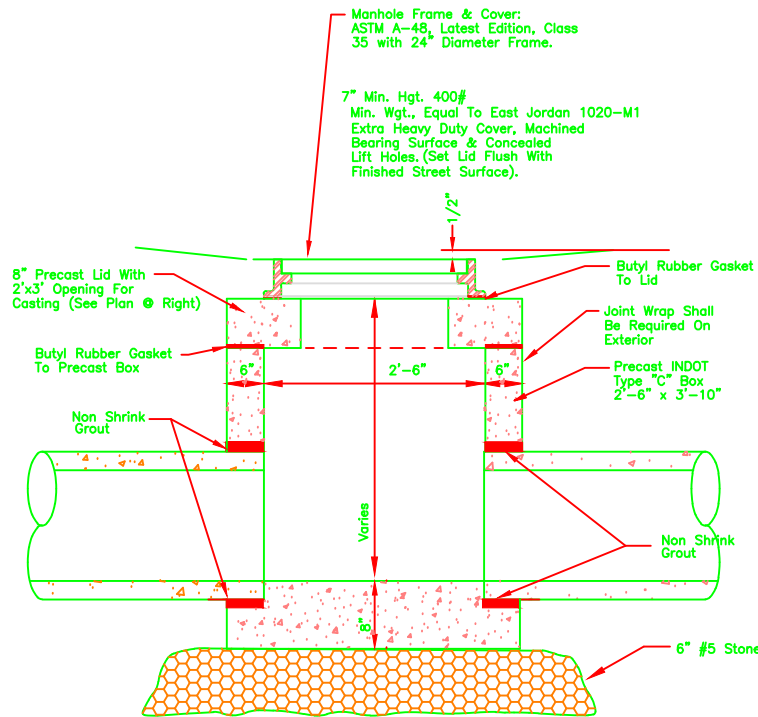


EAST JORDAN 6221
GRATE FOR FRONT YARD OR ADJACENT TO STREET

EAST JORDAN 6489
DITCH GRATE FOR SIDE AND REAR YARD



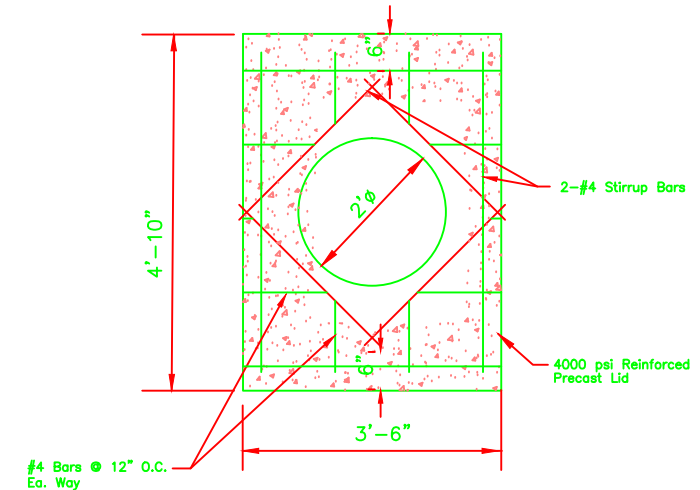
YARD INLET DETAIL



JUNCTION BOX TYPE C-4 DETAIL

Scale: 1"=2'-0"

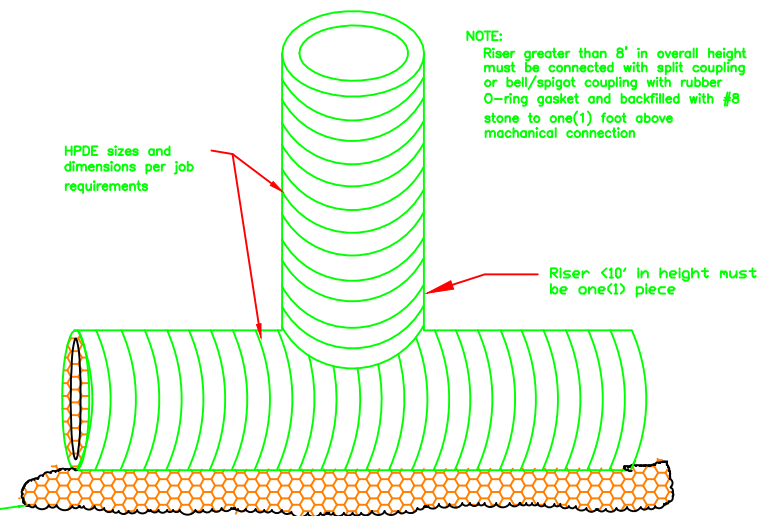
(For Piping 24" Or Larger Or Smaller Pipes Entering Box @ Skewed Angles)



JUNCTION BOX CASTING LID DETAIL

For "C-4" Inlets

Scale: 1"=2'-0"



HPDE YARD INLET RISER

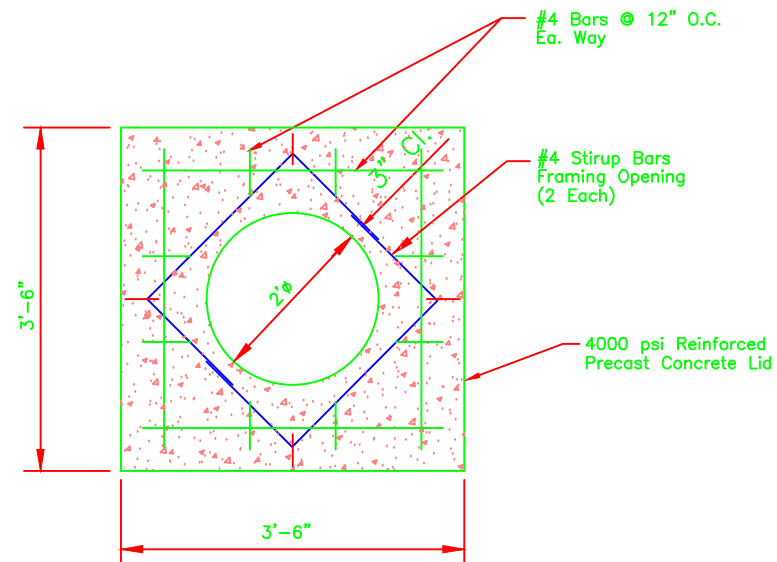
NOTE: NOT TO SCALE

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SURFACE INLET DETAILS

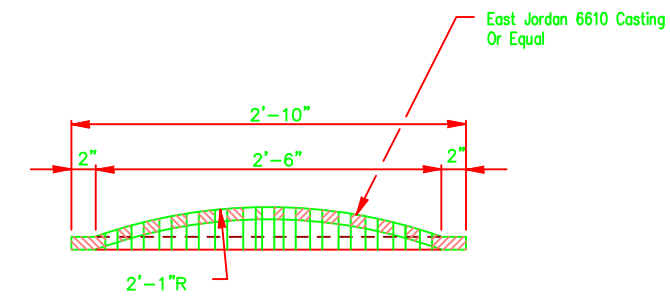


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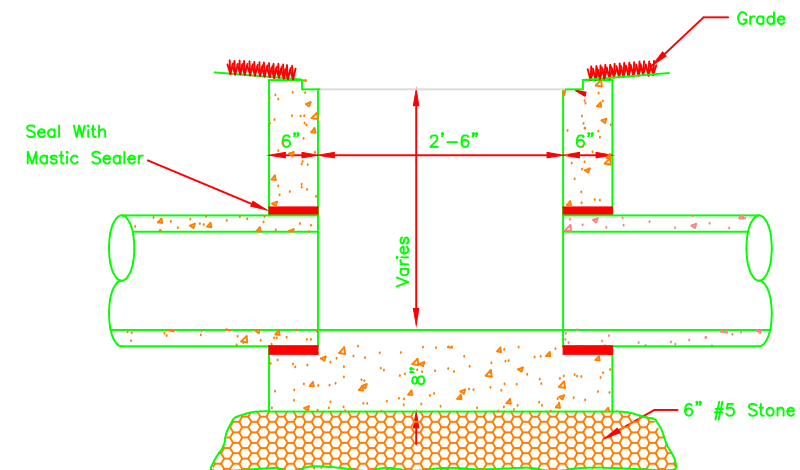


LID DETAIL
For "E" Boxes

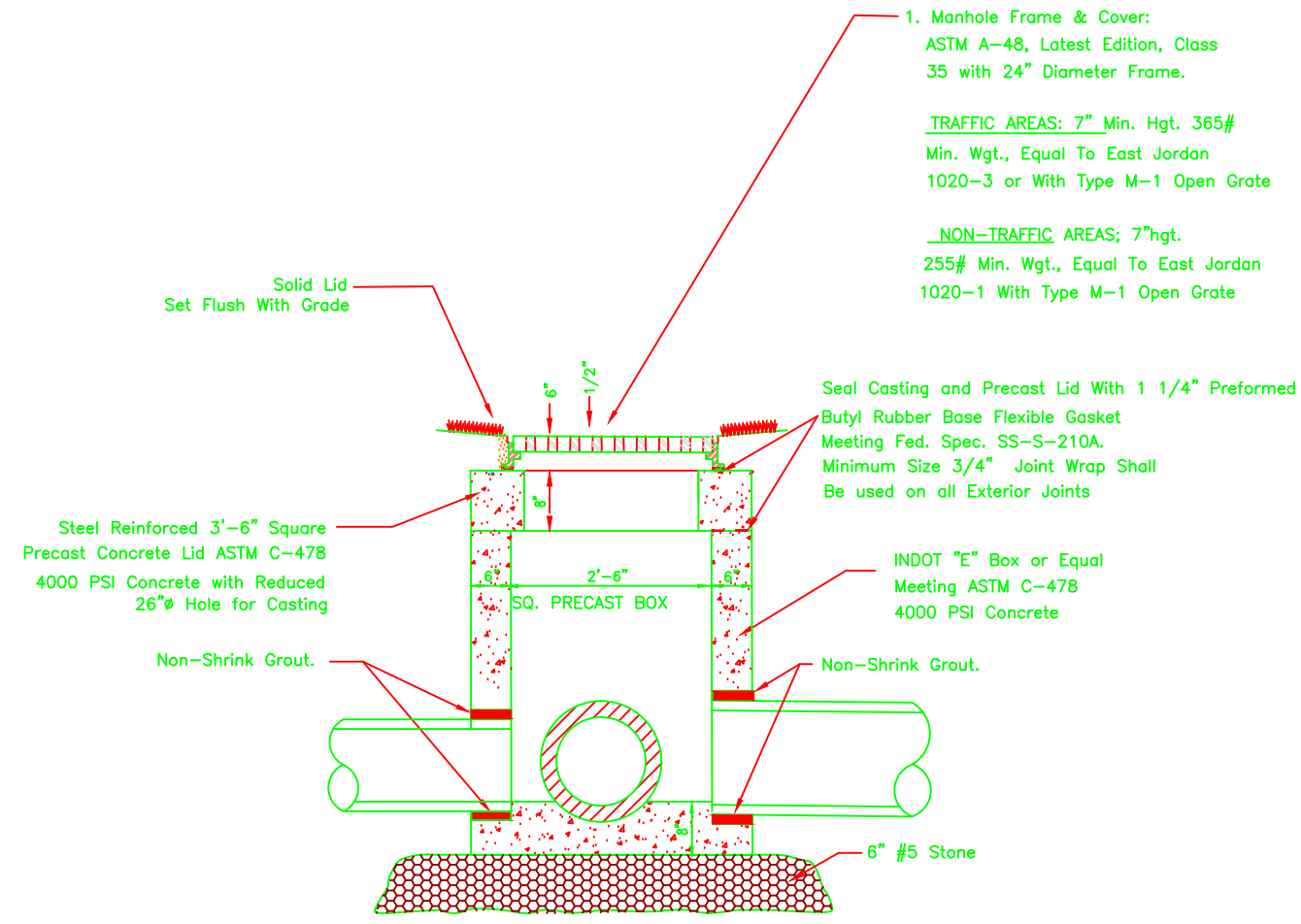
Note: For shallower applications, reducing lid can be eliminated if larger EJ 8313, square casting is used.
For junction box use EJ 1022-3 frame with heavy duty cover.



TYPE 7 CASTING



INLET TYPE E-7 DETAIL
Scale: 1"=2'-0"



For Pipes 18", 21" and 24"Ø
INLET/JUNCTION BOX TYPE E-4

- 1. Manhole Frame & Cover:
ASTM A-48, Latest Edition, Class 35 with 24" Diameter Frame.
- TRAFFIC AREAS: 7" Min. Hgt. 365#
Min. Wgt., Equal To East Jordan 1020-3 or With Type M-1 Open Grate
- NON-TRAFFIC AREAS; 7" hgt.
255# Min. Wgt., Equal To East Jordan 1020-1 With Type M-1 Open Grate

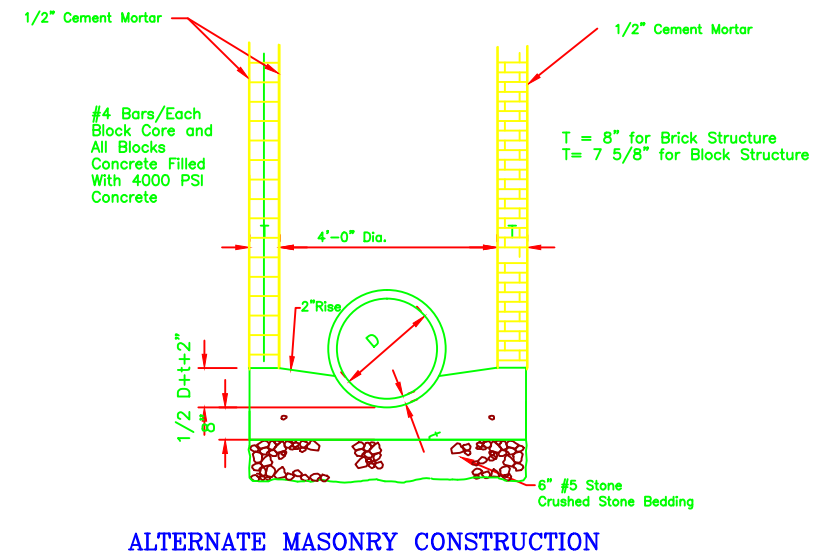
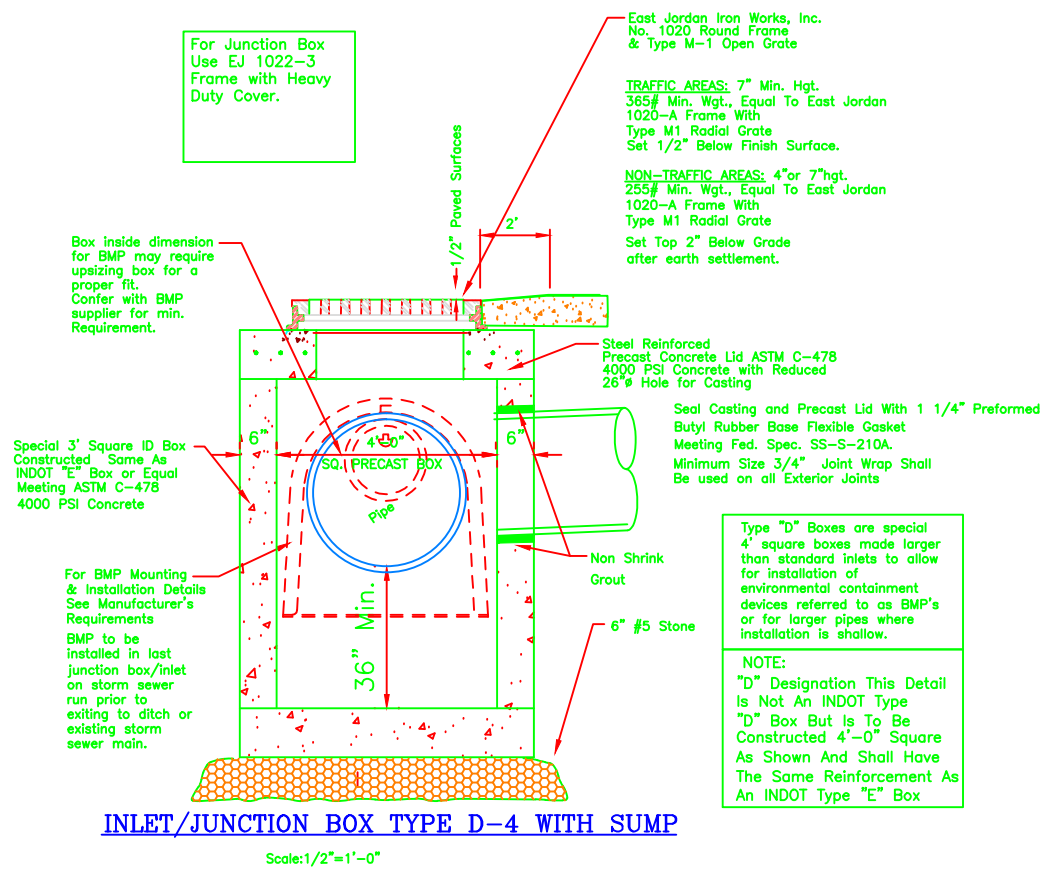
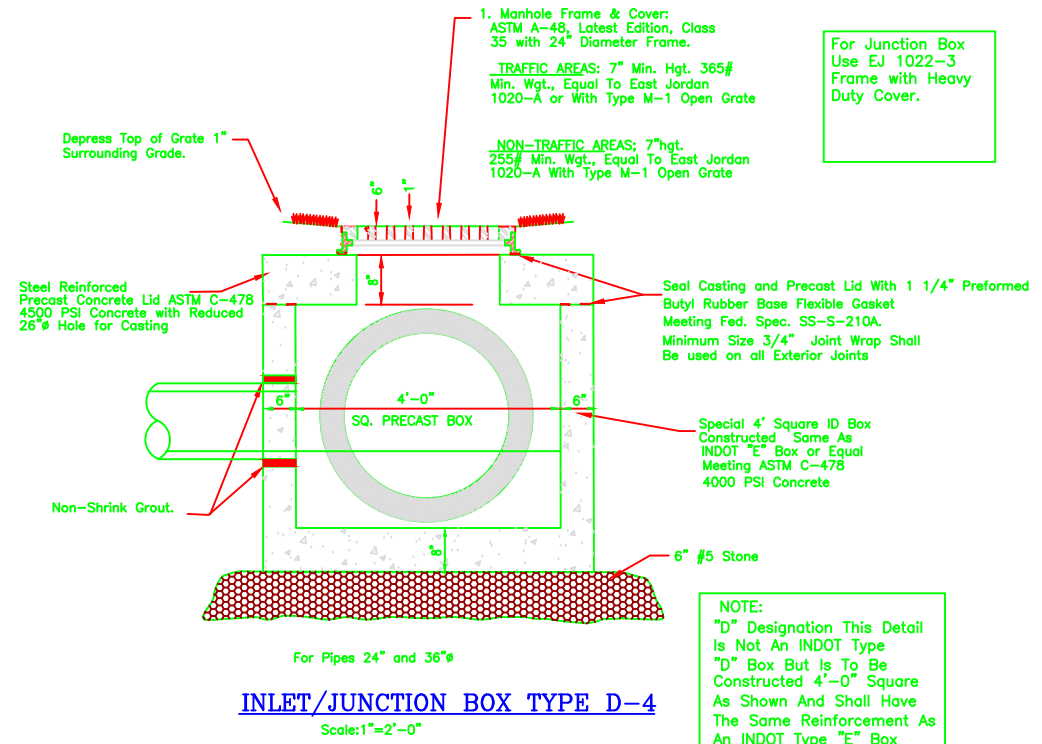
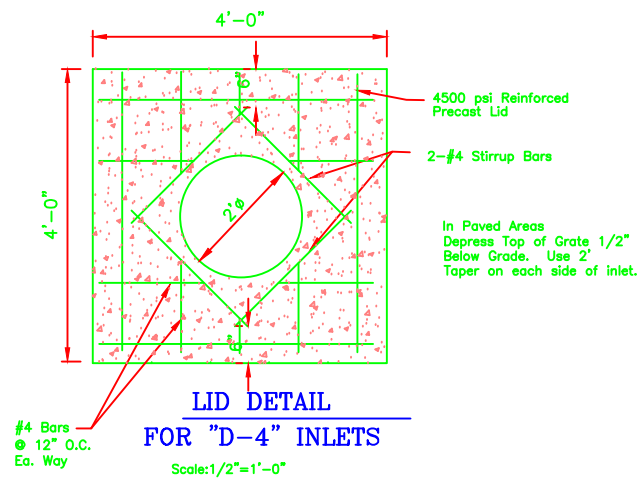
- NOTE:
East Jordan Irons Works 6221 grate or approved equivalent must be installed in Front Yard and adjacent to street.
- NOTE:
East Jordan Irons Works 6489 or 6488 ditch grate or approved equivalent must be installed in Side and Rear Yard. Grate model selection to be approved by City of Jasper Engineering Department.
- NOTE:
Approved plastic or rubber risers can be used.
Maximum height of riser not to exceed 12"

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DITCH INLET DETAILS



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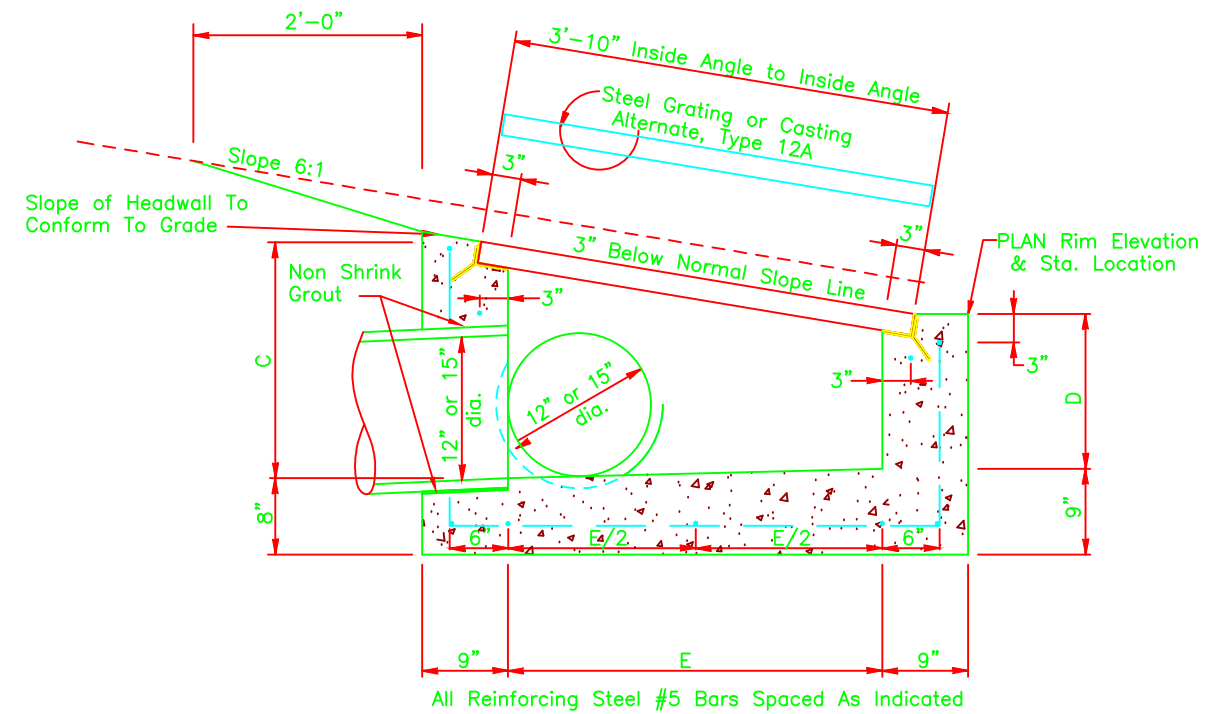
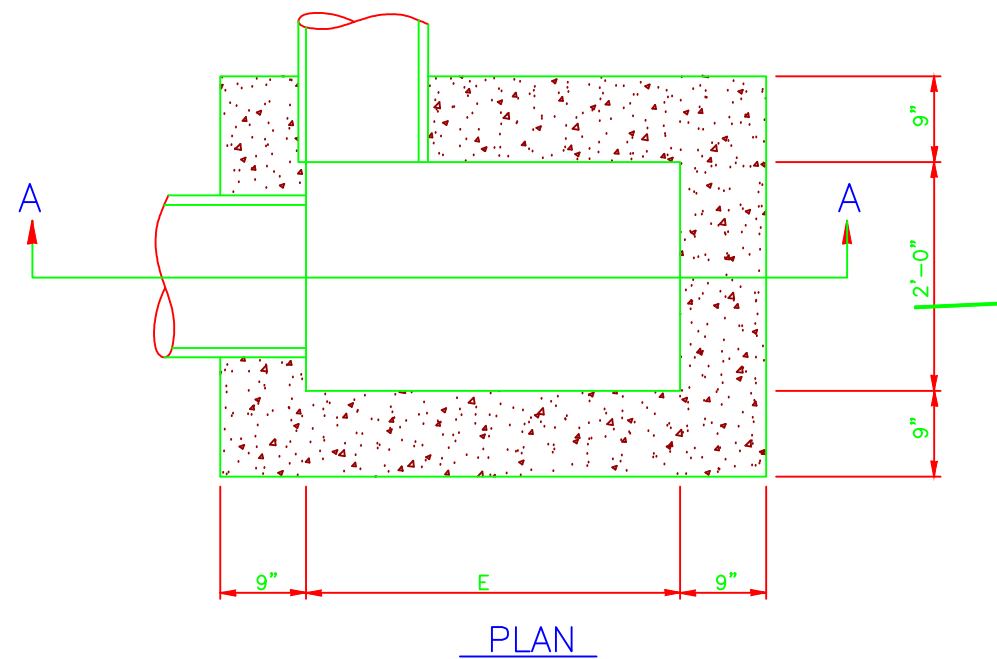


REVISIONS			
REV.	DATE	DESCRIPTION	BY
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SPECIAL STORM INLET/ JUNCTION BOX DETAILS



SCALE:	
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SHEET NO. 19 OF 25	



INLET TYPE "P-12A" DETAIL

Not To Scale

TYPE "P" INLET

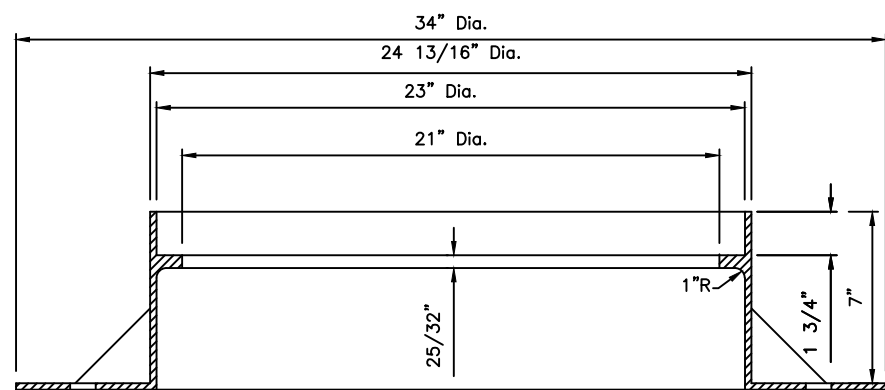
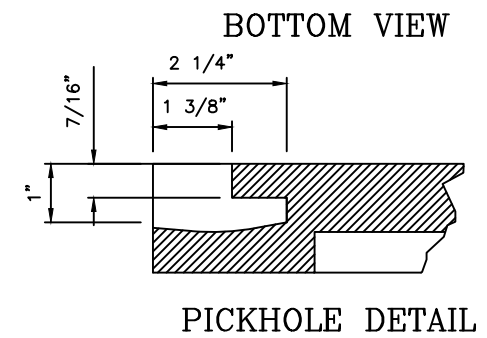
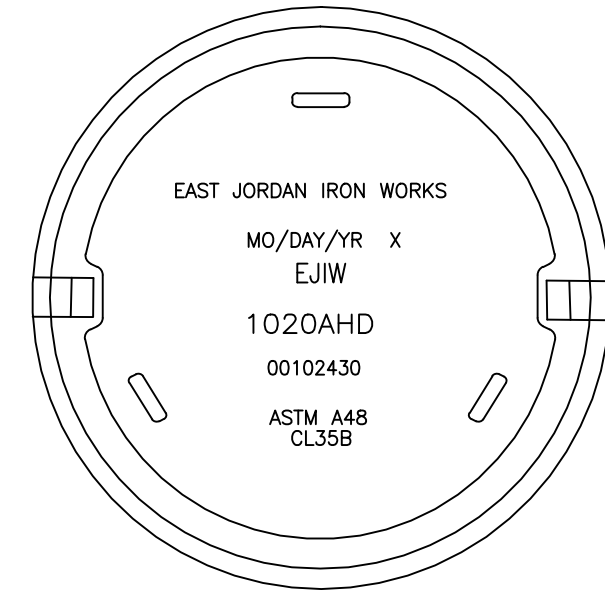
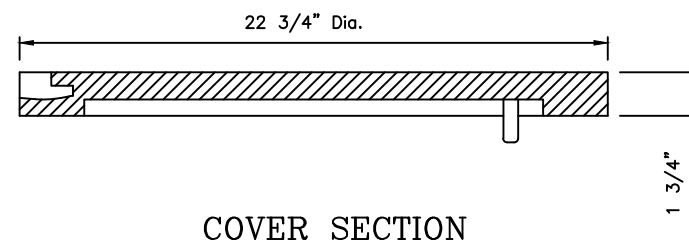
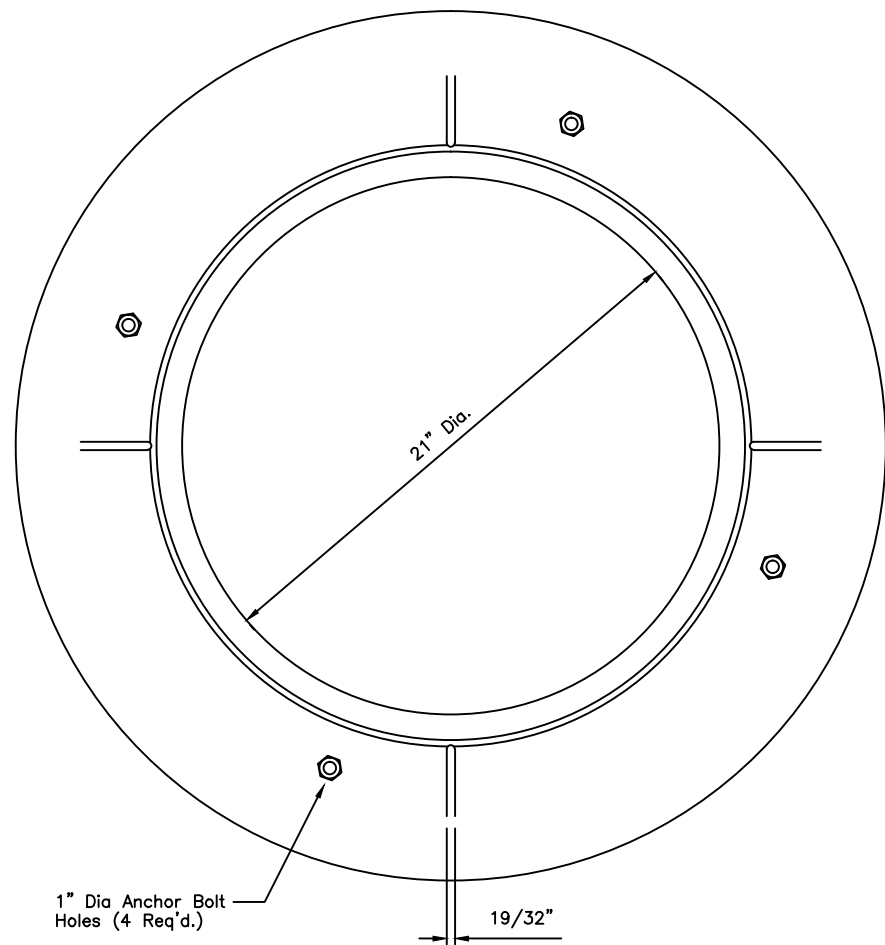
PIPE SIZE	6:1			8:1			10:1		
	C	D	E	C	D	E	C	D	E
12"	21 1/2"	13"	3'-3 1/4"	21 1/2"	14 1/2"	3'-3 3/4"	21 1/2"	15 7/8"	3'-3 3/4"
15"	24 3/4"	16 1/4"	3'-3 1/4"	24 3/4"	18"	3'-3 3/4"	24 3/4"	19 1/8"	3'-3 3/4"

REVISIONS			
REV.	DATE	DESCRIPTION	BY
1			
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**STORM SEWER END TREATMENT DETAILS
HIGHWAY WORK**



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CASTING FRAME

For Traffic Areas: 7" Min Height.
365# Min. Weight Equal to East Jordan 1020-A Frame with Lid Shown Above.

For Non-Traffic Areas: 4" or 7" Min. Height.
255# Min. Weight Equal to East Jordan 1020-A Frame with Lid Shown Above

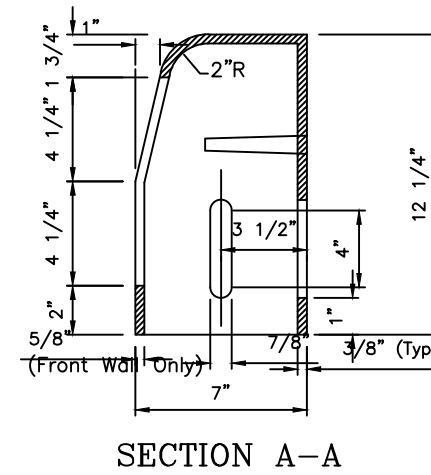
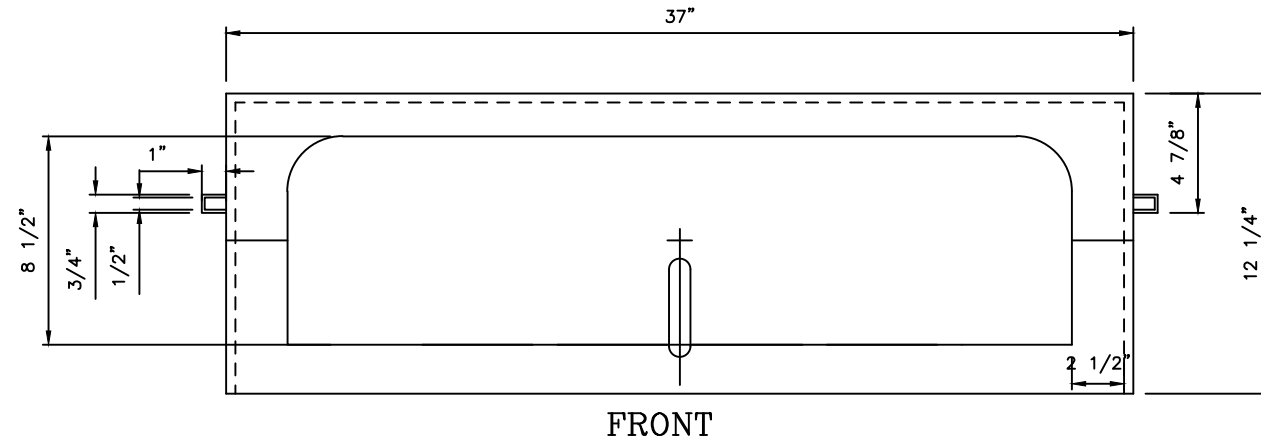
* others may be used at approval of the LPA

REVISIONS			
REV.	DATE	DESCRIPTION	BY
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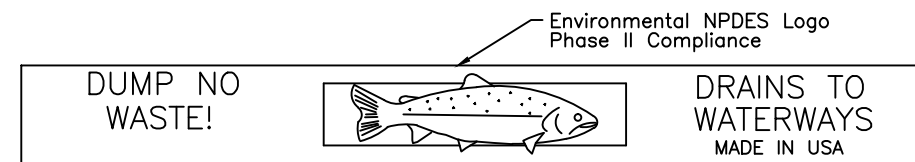
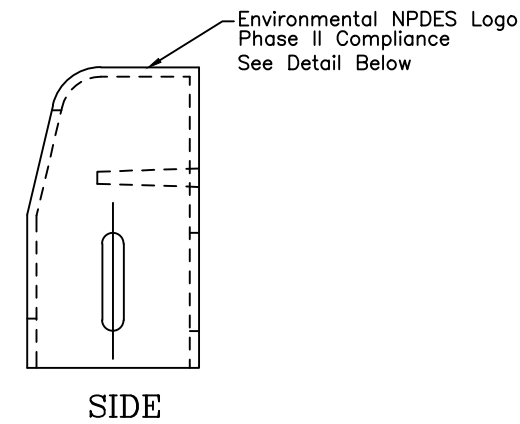
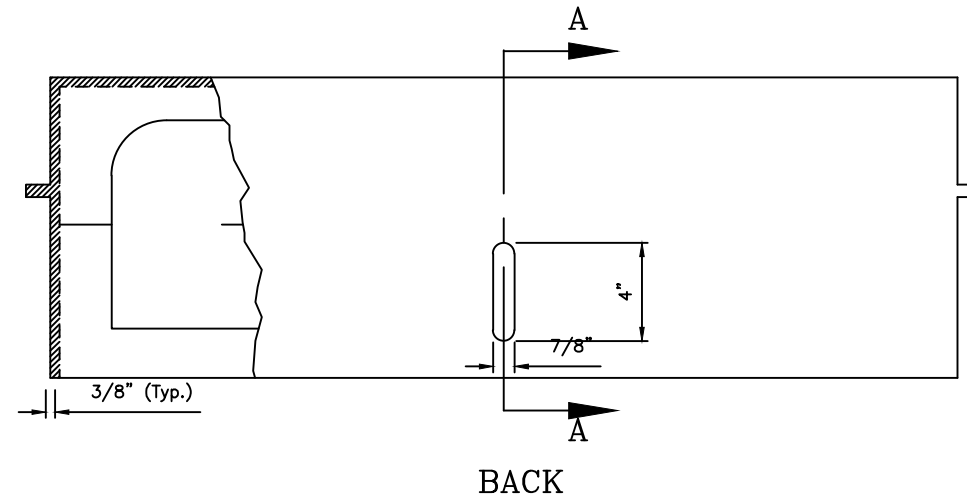
MANHOLE CASTING/COVER DETAIL



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7030 N14 Grate
T-1 Back or Equal



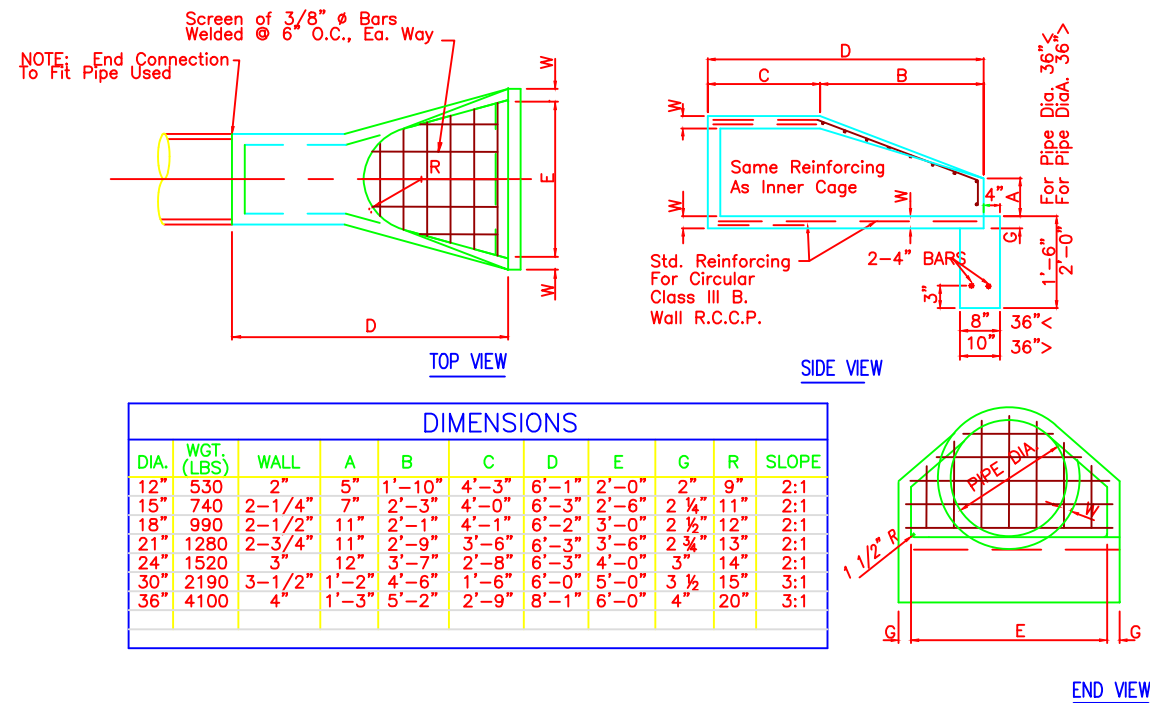
ENVIRONMENTAL STAMPING

REVISIONS			
REV.	DATE	DESCRIPTION	BY
1			
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3			
4			
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6			

EJ #7030 OR EQUAL CURB INLET
TYPE T1 BACK DETAIL W/ ENVIROMENTAL STAMPING

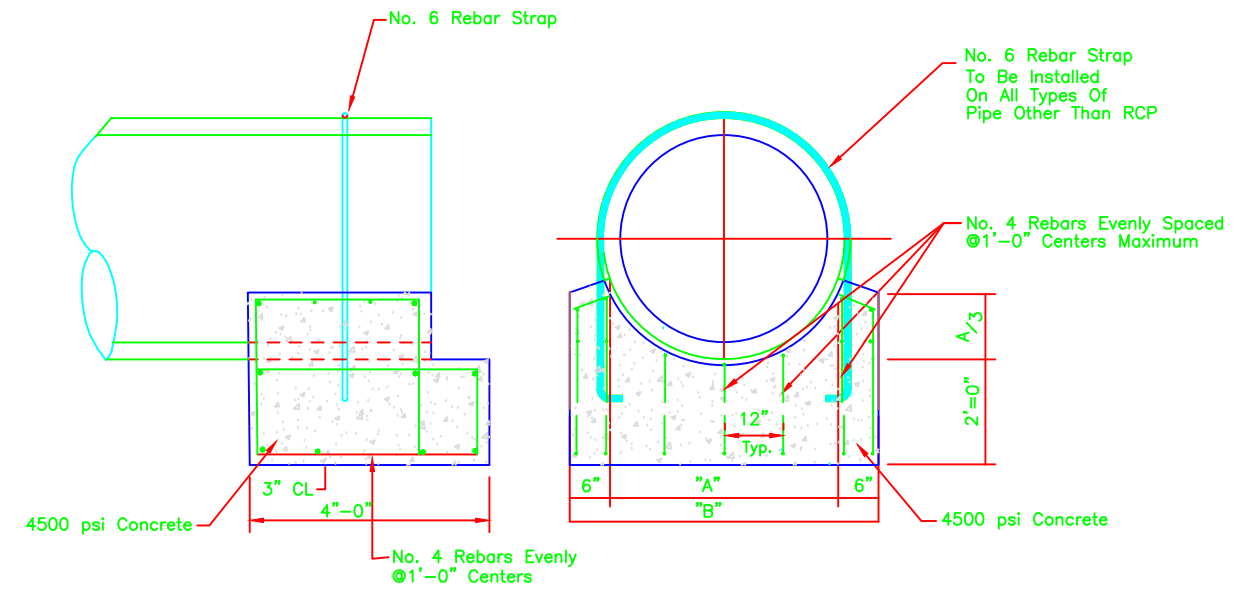


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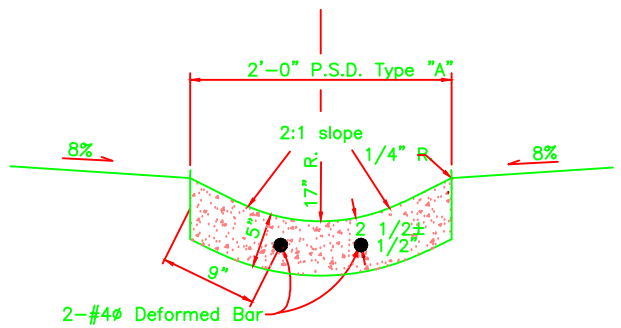
DIMENSIONS										
DIA.	WGT. (LBS)	WALL	A	B	C	D	E	G	R	SLOPE
12"	530	2"	5"	1'-10"	4'-3"	6'-1"	2'-0"	2"	9"	2:1
15"	740	2-1/4"	7"	2'-3"	4'-0"	6'-3"	2'-6"	2 1/4"	11"	2:1
18"	990	2-1/2"	11"	2'-1"	4'-1"	6'-2"	3'-0"	2 1/2"	12"	2:1
21"	1280	2-3/4"	11"	2'-9"	3'-6"	6'-3"	3'-6"	2 3/4"	13"	2:1
24"	1520	3"	12"	3'-7"	2'-8"	6'-3"	4'-0"	3"	14"	2:1
30"	2190	3-1/2"	1'-2"	4'-6"	1'-6"	6'-0"	5'-0"	3 1/2"	15"	3:1
36"	4100	4"	1'-3"	5'-2"	2'-9"	8'-1"	6'-0"	4"	20"	3:1

CONCRETE END SECTION DETAIL
NOT TO SCALE

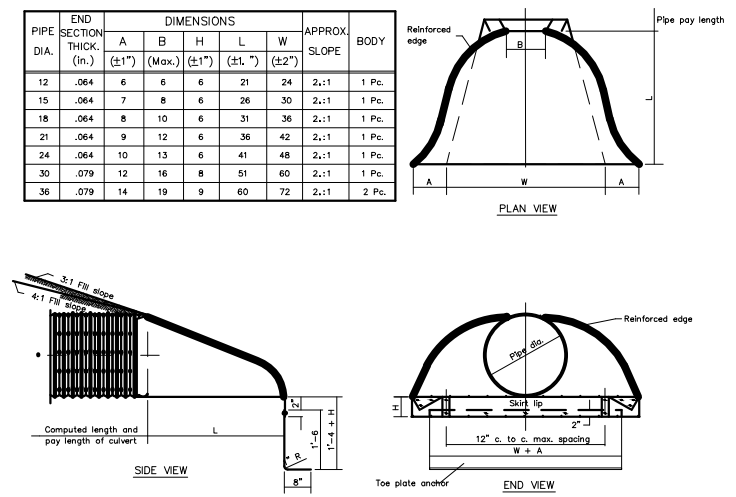


PIPE SIZE	A	B
12"	1.50'	2.5
15"	1.75'	2.75
18"	2.00'	3.00'
24"	2.67'	3.67
36"	3.75'	4.75

PIPE ANCHOR
NOT TO SCALE



DETAIL OF PAVED SIDE DITCH



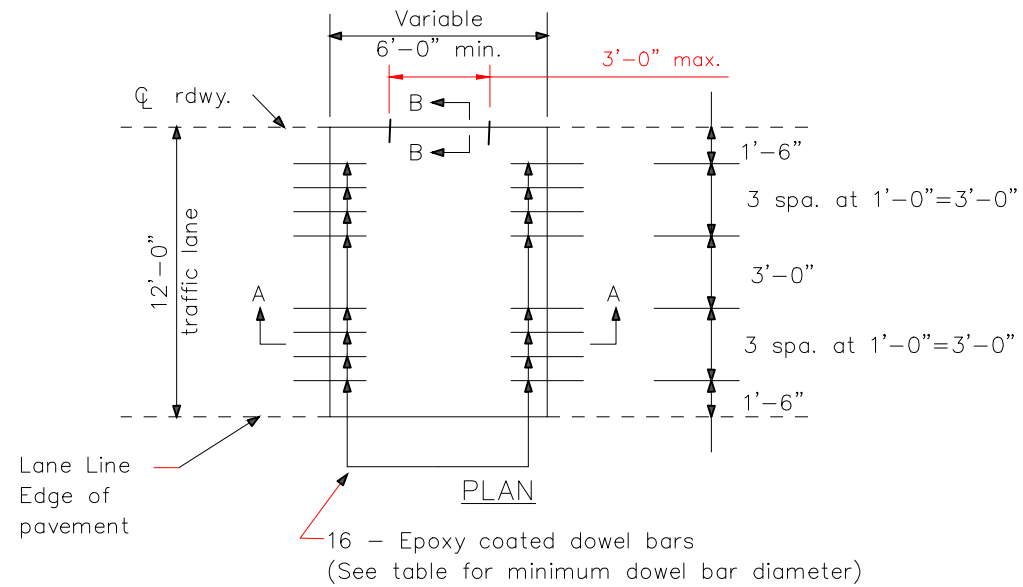
METAL END SECTION DETAIL
NOT TO SCALE

REVISIONS			
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STORM SEWER END TREATMENT DETAILS

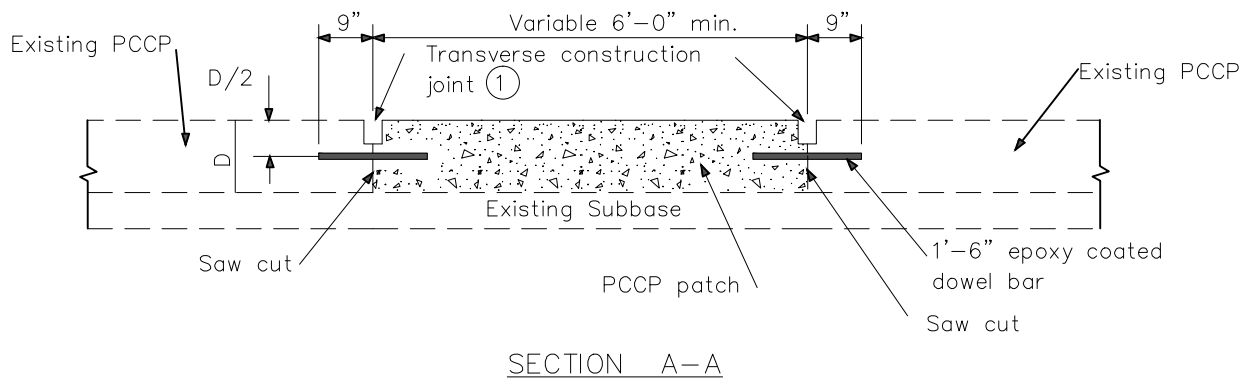


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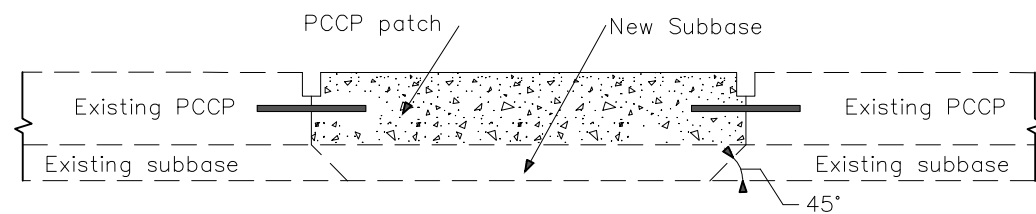


NOTES

- ① See Standard Drawing 503-CCPJ-06 for joint seal details.
2. Saw cuts and joint seal shall be omitted if PCCP is to be overlaid.

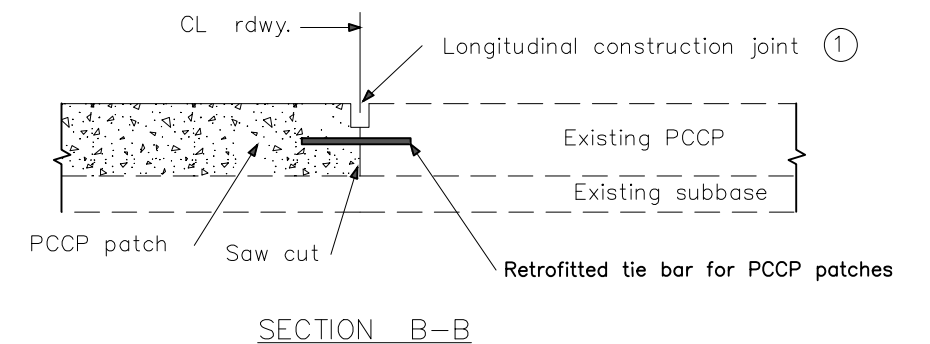


DOWEL BAR SIZES	
Pavement Thickness, D	Minimum Dowel Bar Diameter
Less than 9"	1"
9" through 12"	1 1/4"
Greater than 12"	1 1/2"



SECTION A-A
(Where Existing Subbase must be removed)

NOTE: Dowel bar placement same as Sect. A-A above.

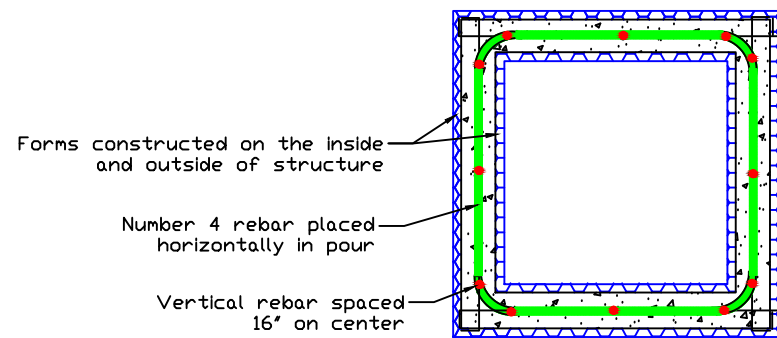


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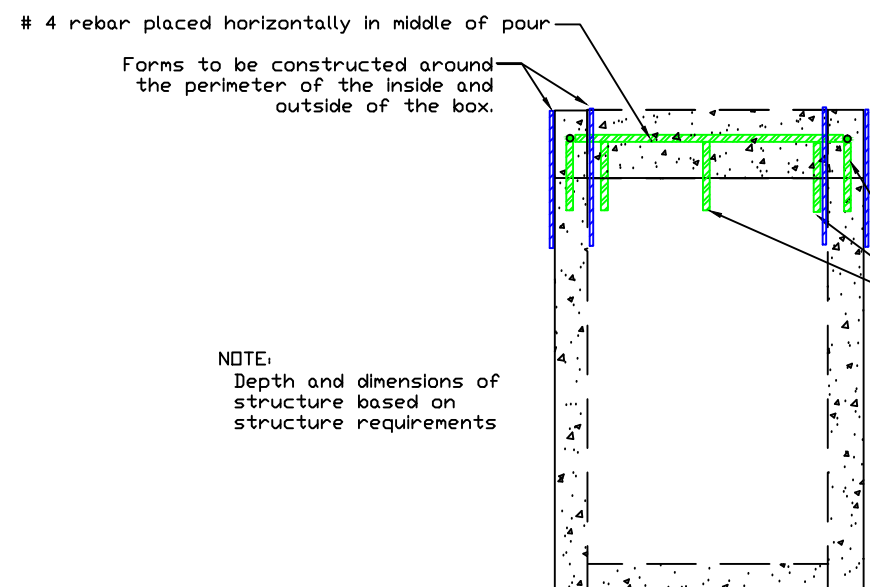
CONCRETE PATCHING DETAILS



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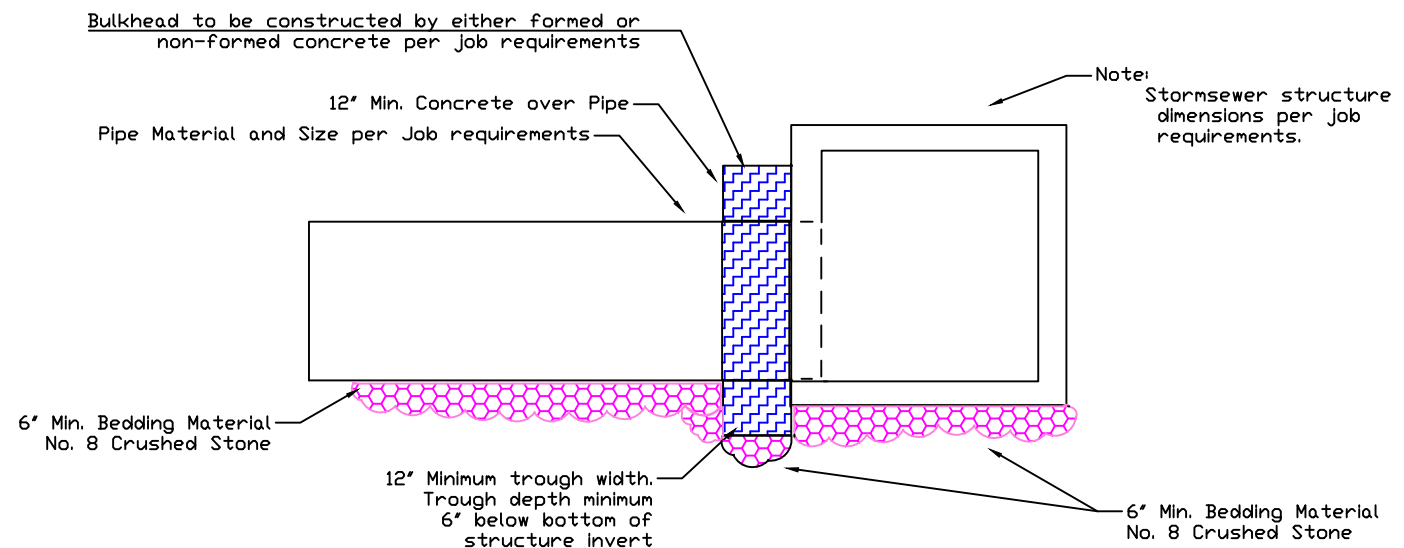


PLAN VIEW
NOT TO SCALE



ELEVATION VIEW

STRUCTURE RAISED WITH POUR DETAIL
NOT TO SCALE



BULKHEAD DETAIL
NOT TO SCALE

NOTES:

1. Reinforced pre-cast concrete risers with a mastic or tar strip or the use of manufactured poly/plastic risers with tar strip are to be used between the existing structure, riser(s) and the lid or casting.
2. A poured riser on top of the existing box will require a form to be constructed around the inside and outside perimeter of the existing box. This procedure to be accomplished by method referenced in the City of Jasper Design Standards Manual.
3. No whole or pieces of brick, block, wood or stone used as shims will be accepted.
4. Structures needing between 6-12' of rise may use either manufactured risers or Poured Method
5. Structures needing greater than 12' of rise must use the Poured Riser Method

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1			
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3			
4			
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6			

STORM SEWER SPECIAL STRUCTURE DETAILS



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